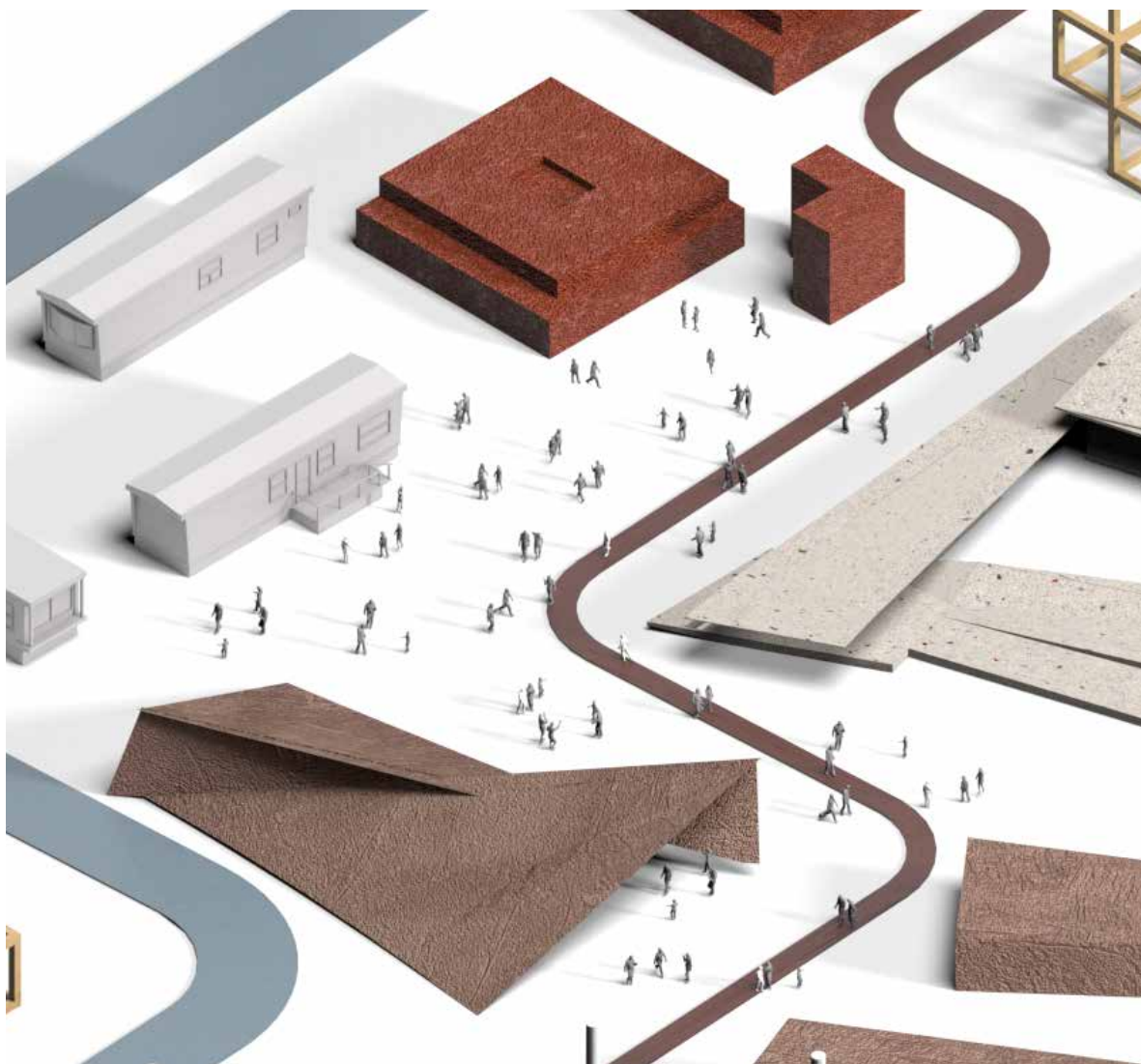


kendal eastwood

m.



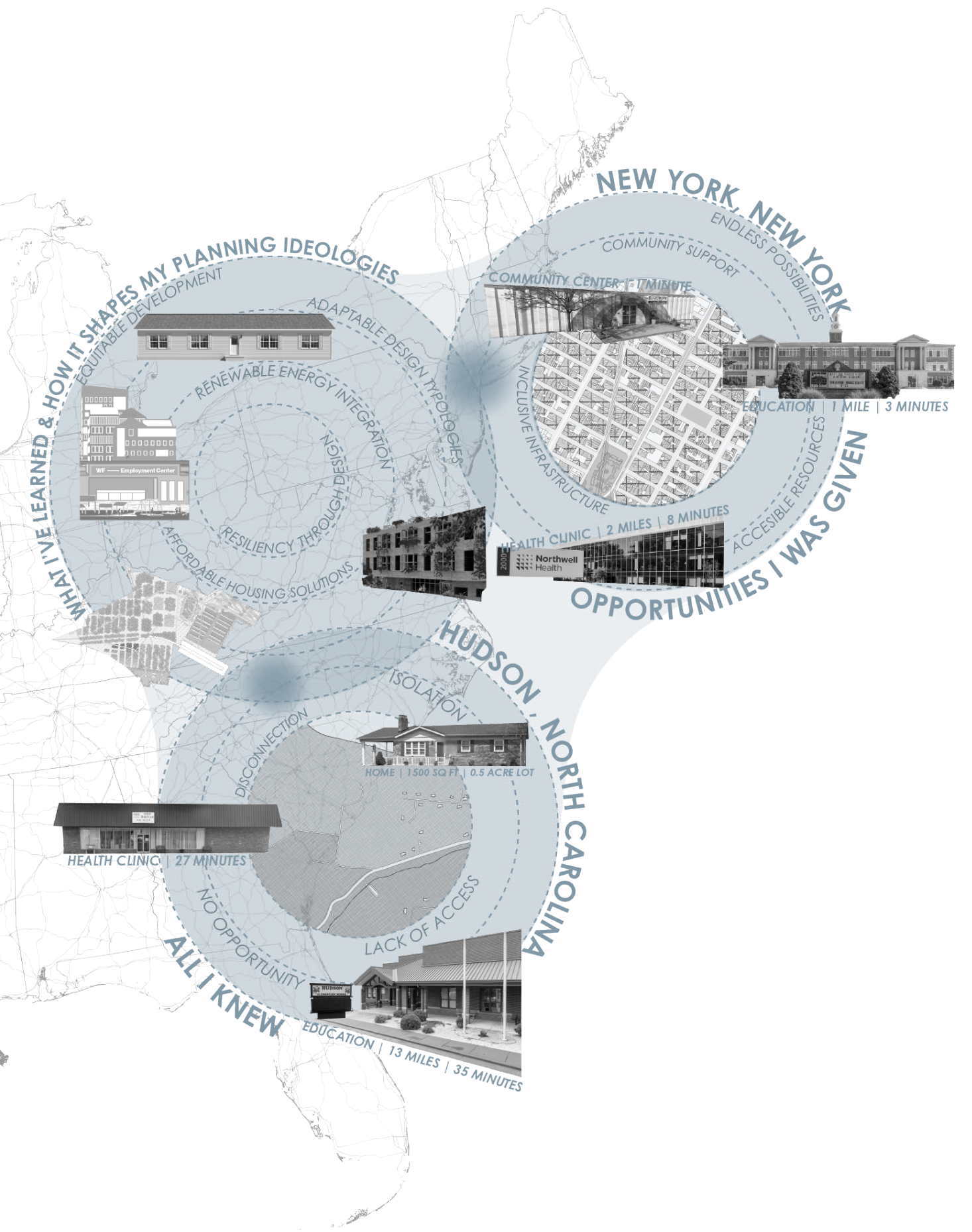
selected works | **2022 - 2024** | architecture & planning

Hi!

My name is Kendal Eastwood.



Growing up in a rural town, I experienced firsthand the consequences of limitation of space and opportunity, which sparked my passion for planning cities and spaces that foster belonging and empowerment. My architectural studies have focused on addressing issues like social isolation, affordable housing, and community-driven design, informing my design ideologies. I am particularly interested in reimagining land ownership models to restore agency and economic empowerment for vulnerable communities. With a deep commitment to sustainable urban planning, I aim to design inclusive cities that blend social equity and environmental sustainability to create lasting change.





NOMA BGL Student Design Competition Award | 2024



Urban Design Competition Exhibition Boards | 2024



Gensler Bronx Link Presentation | 2024



AIAS Grassroots | NYIT Executive Board 2022



Future Learning Community Engagement Project | 2023



AU Exhibition Construction | 2024



Fourth Year Final Presentation | 2024



NOMA Exchange | Conference 2024



Future Learning Community Engagement Project | 2024



AIAS Quad Conference | NYIT Executive Board 2022



Site Visits and Stakeholder Engagement | 2024



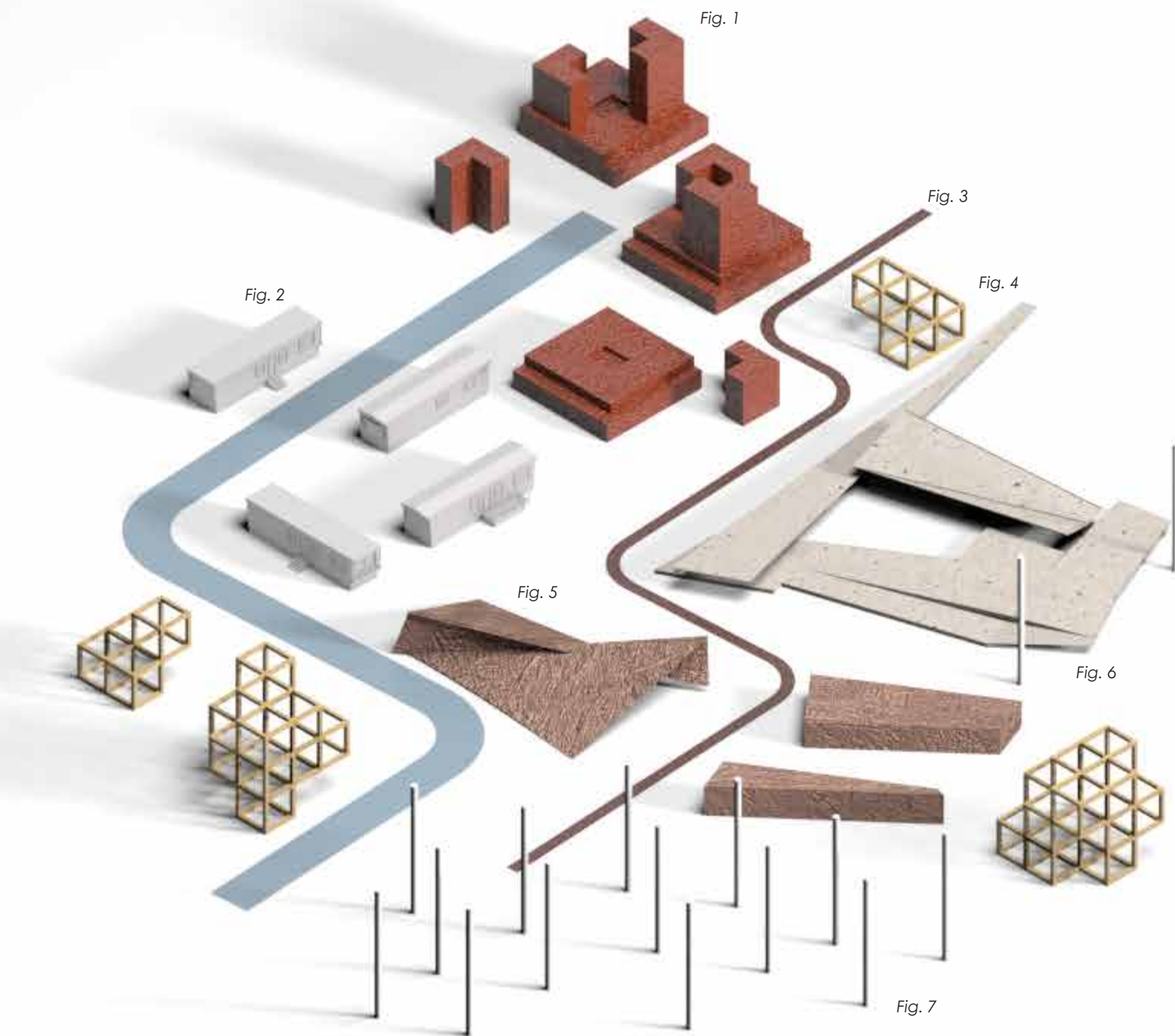
AIAS "Pie a Peer" Fundraiser | 2023



NYIT SOAD AIA LI Lecture Event | 2023



AIAS Engagement Fair | 2022



ACADEMIC

- 1 *How can we implement an affordable housing solution in West Farms?*
West Farms Community Land Trust+
- 2 *How can ownership play a role in providing lasting bonds and resilience for vulnerable communities?*
The Collective Act of Reclaiming Home
- 3 *How can we reclaim the future of West Baltimore through art, culture, and community?*
Threads of Healing
- 4 *How can biophilic design be used as a tool to enhance the experience of a space?*
Clinton Hill Library
- 5 *How can design promote cultural learning and exchange through shared trauma?*
Collision on President Street

PROFESSIONAL

- 6 *How can a city reconnect to its river through the paradigmatic infrastructural decking of a highway?*
Fastscape & Slowscape
- 7 *How can community-based design foster synergies between energy production, ecology, and the economy?*
Productive Frictions: E3

FABRICATION

- 8 *How can physical fabrication be used to communicate ideas to a wider audience?*

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How can we implement an affordable housing solution in West Farms?

West Farms Community Land Trust+

Urban Design Studio Competition Winner

AIAS 2024 Project Excellence Award Winner

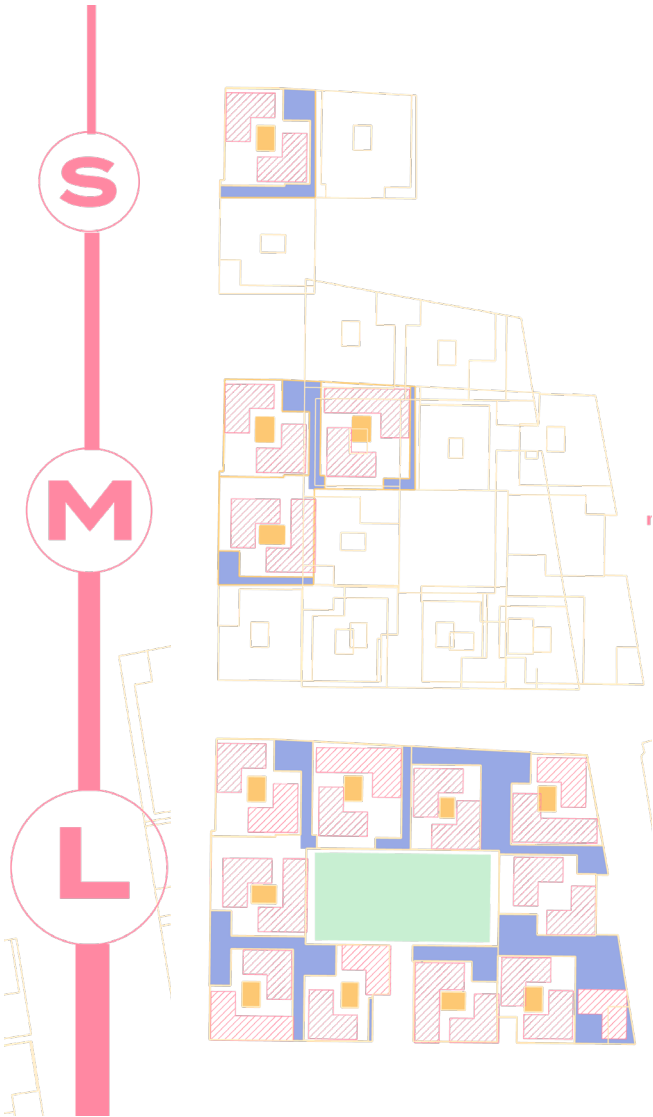
Metropolis 2024 Planet Positive Awards Best Student Work Honorable Mention

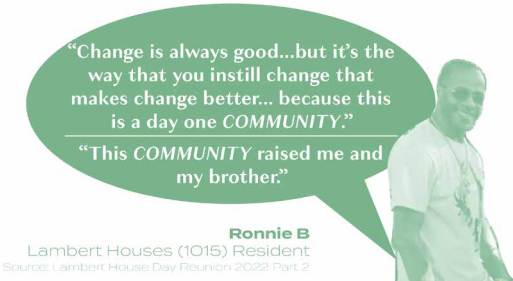
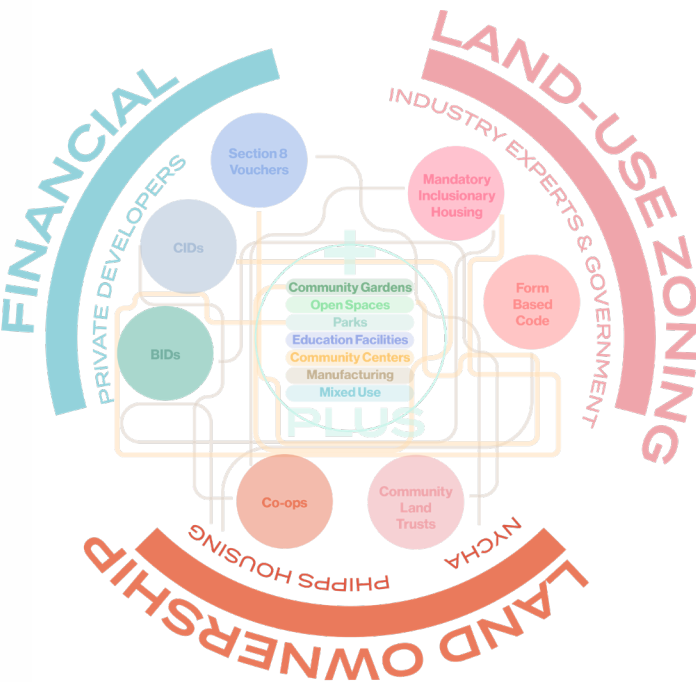
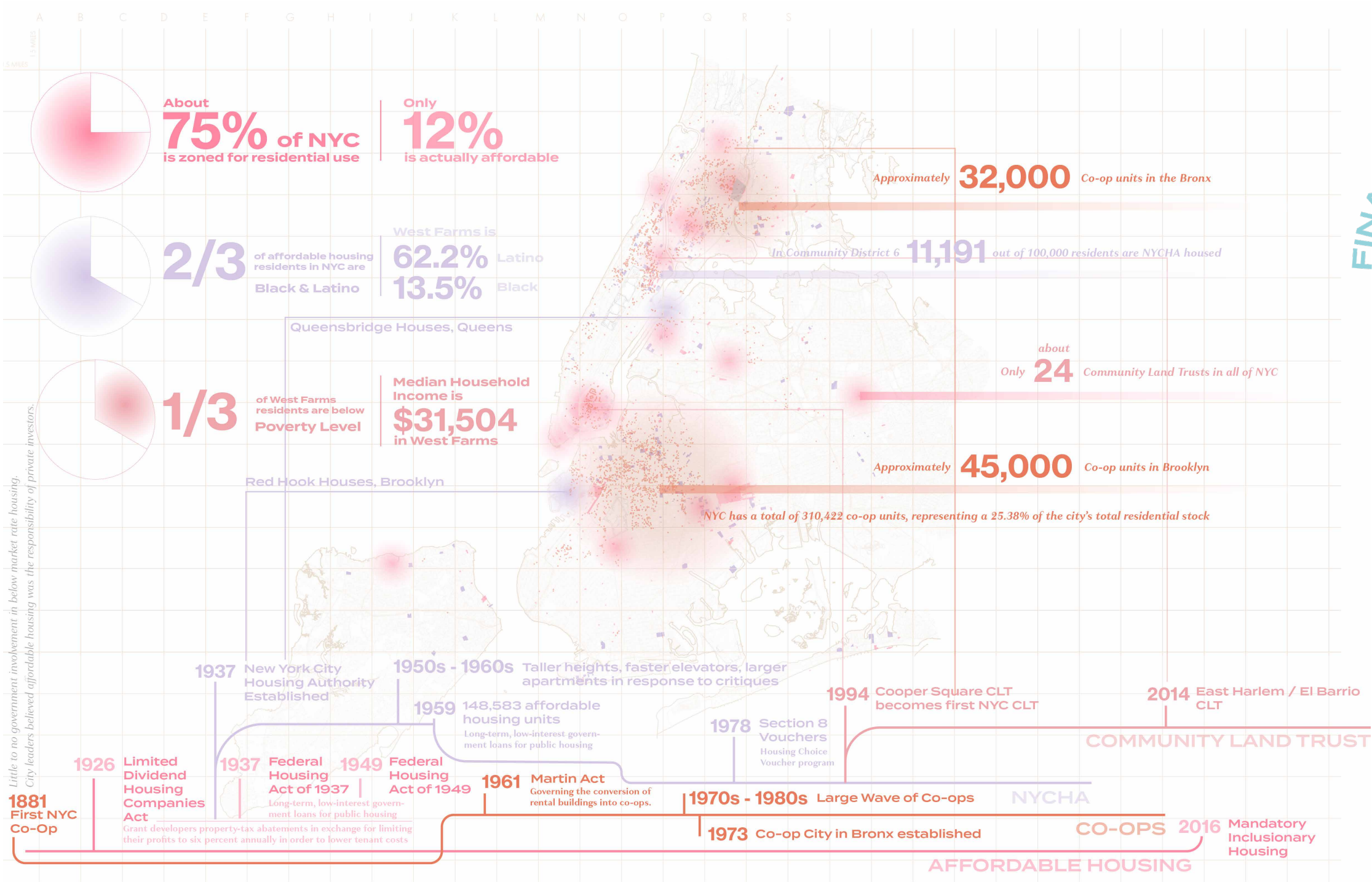
Instructor: Evan Shieh

Team: Elise Park

Contribution: Research, Design Studies, Visual Representation and Post Production, Model Fabrication
Spring 2024

The West Farms Community Land Trust+ utilizes a community land trust (CLT) model to address affordable housing, through empowering residents and fostering a solidarity economy. Despite NYC's housing initiatives, affordability remains a challenge, especially in West Farms where many live below the poverty line. This project aims to provide affordable housing and community amenities while restoring community agency. Through a synthesis of research, the West Farms CLT+, which is designed as an adaptable model for any location, is developed to create diverse housing options and provides the opportunity to give agency back to the community and promote community engagement.





New York City has a storied history of affordable housing and performative housing models. However, none of these individual models have “solved” the crises of attainable and affordable housing. Prior to 1926, there was no government intervention of below rate housing, as they believed it was an issue for private developers to address. As housing acts and the rise of organizations like NYCHA came into the picture, NYC slowly became more and more aware of the need for obtainable housing, with ownership models like co-ops, and more recently CLTs rethinking how to integrate community into housing.

What is a CLT?

BACKGROUND

In light of widening **racial disparities** in homeownership, worsened by private equity's growing role in housing and policy **failures to address historical discrimination**, there's an **urgent need for strategies promoting equitable land ownership and wealth-building for low-income communities of color**. One increasingly prevalent strategy is the **Community Land Trust (CLT)**, a nonprofit acquiring and managing land and buildings for lasting affordability and community control. The pioneering CLT, New Communities, established in 1969 to support black farmers, stemmed from collaboration among farmers and civil rights activists, including members of the Student Nonviolent Coordinating Committee (SNCC).

A NEW TYPE OF LAND OWNERSHIP

A **Community Land Trust (CLT)** is a nonprofit organization that acquires and manages land to **ensure lasting affordable housing and community oversight**. What sets CLTs apart is their separation of land ownership from housing ownership and **governance by community members**. In the typical model, CLTs acquire land to develop affordable housing and community facilities. Homes are sold below market rates to low- and moderate-income families, with the land leased for the long term. Resale restrictions are imposed to **maintain affordability for future buyers**.



Currently, there are **approximately 220 community land trusts in the United States**, providing an estimated **10,000 to 15,000 homeownership units** and nearly **20,000 rental units**.

Who Does a CLT Serve?

A Community Land Trust (CLT) typically serves a **range of groups** within a community, particularly those who may face challenges related to housing affordability and access to land. **These groups may include:**

01 Low-income families and individuals: CLTs often prioritize providing affordable housing options for those with limited financial means.

Working-class individuals and families: Many CLTs aim to support individuals and families who may have moderate incomes but still struggle to afford housing.

02

03 Marginalized communities: CLTs may focus on serving marginalized groups such as minorities, immigrants, refugees, and people with disabilities.

Young adults and students: CLTs may offer housing solutions tailored to the needs of young adults, students, and first-time homebuyers.

04

05 Seniors and retirees: CLTs may develop housing specifically designed to meet the needs of seniors and retirees, including accessible and age-friendly accommodations.

Artists and cultural workers: Some CLTs prioritize providing affordable live-work spaces for artists, musicians, and other cultural workers.

06

The specific groups served by a CLT can vary based on factors like the organization's mission, local community needs, and available resources. Nevertheless, the **overarching aim is to foster inclusive and equitable housing solutions that benefit a diverse range of community members**.

Key Considerations!

Cities can support Community Land Trusts (CLTs) by **funding affordable housing** and **partnering with lenders** to promote CLT homeownership, therefore helping to **overcome financial barriers and promote CLTs** as an affordable housing solution.

CLTs vary in size and purpose, shaped by factors like founder **intent**, local **needs**, and **market dynamics**. By considering these factors, CLTs can tailor their scope and objectives to **meet community needs**.

Cities can help educate stakeholders about CLTs, clarifying the merits and unique structure to address confusion among prospective residents and lenders due to the unconventional ownership model and resale price restrictions.

The governing structure typically features a **tripartite board**, comprising **CLT residents, community members, and public representatives** or experts. This **balanced representation** ensures accountability, diversity of perspectives, and effective decision-making.

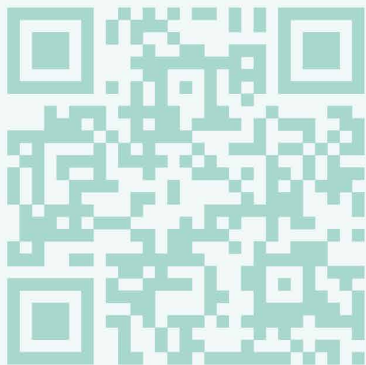
While CLTs typically focus on **housing development**, they can also extend their scope to include **agricultural, nonprofit, or commercial projects**.

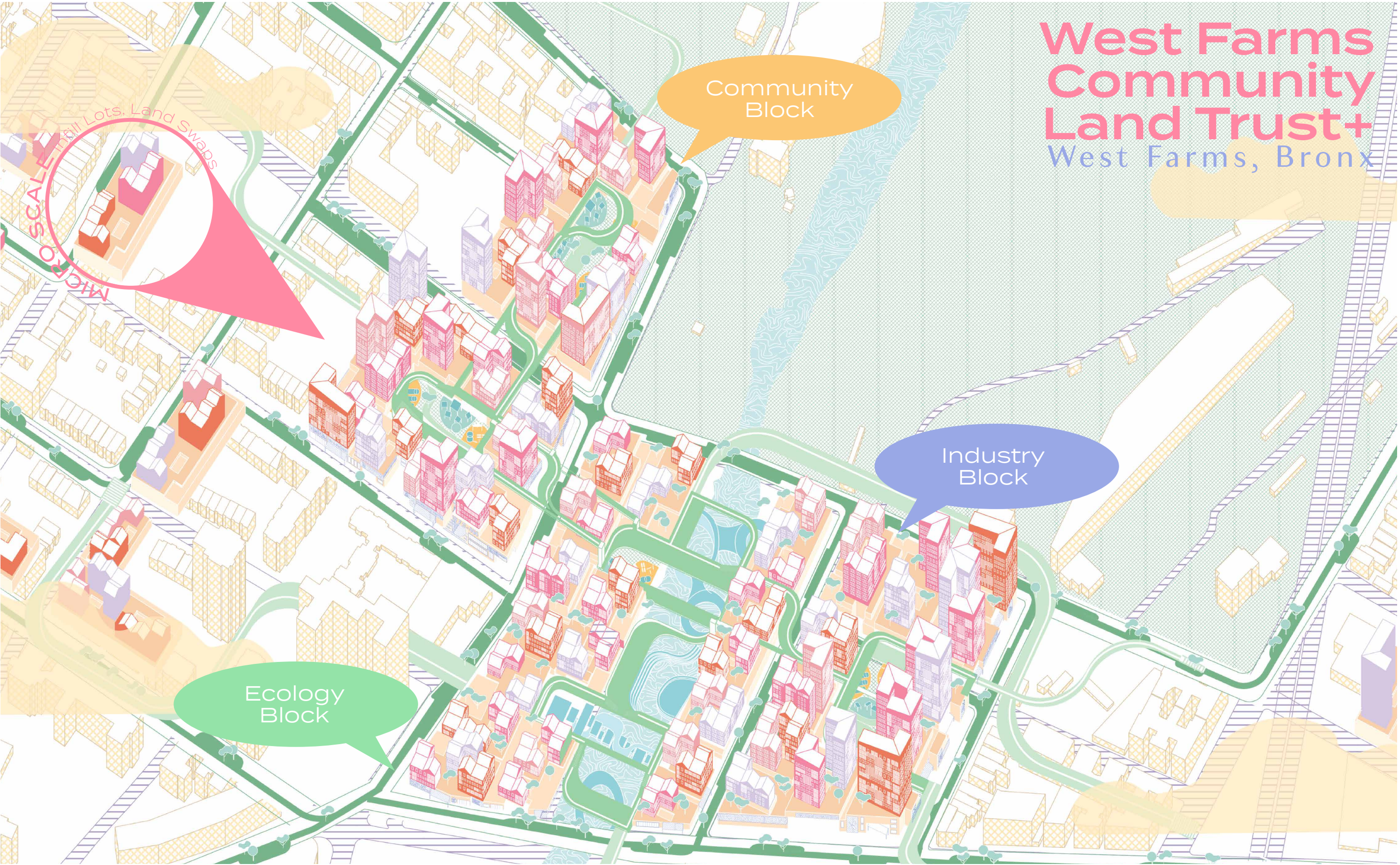
Where are CLTs Working?

Established Community Land Trusts in New York City:

- Bronx Community Land Trust
- Brownsville Community Land Trust
- Cooper Square Community Land Trust
- East Harlem/El Barrio Community Land Trust
- East New York Community Land Trust
- Interboro Community Land Trust
- Mott Haven-Port Morris Community Land Trust
- Northern Manhattan Community Land Trust
- Western Queens Community Land Trust
- We Stay/Nos Quedamos
- Chinatown CLT
- Northfield LDC
- Brooklyn Level Up
- ReAL Edgemere CLT
- Chhaya CDC
- Ravenswood Queens CLT
- South Bronx Unite CLT

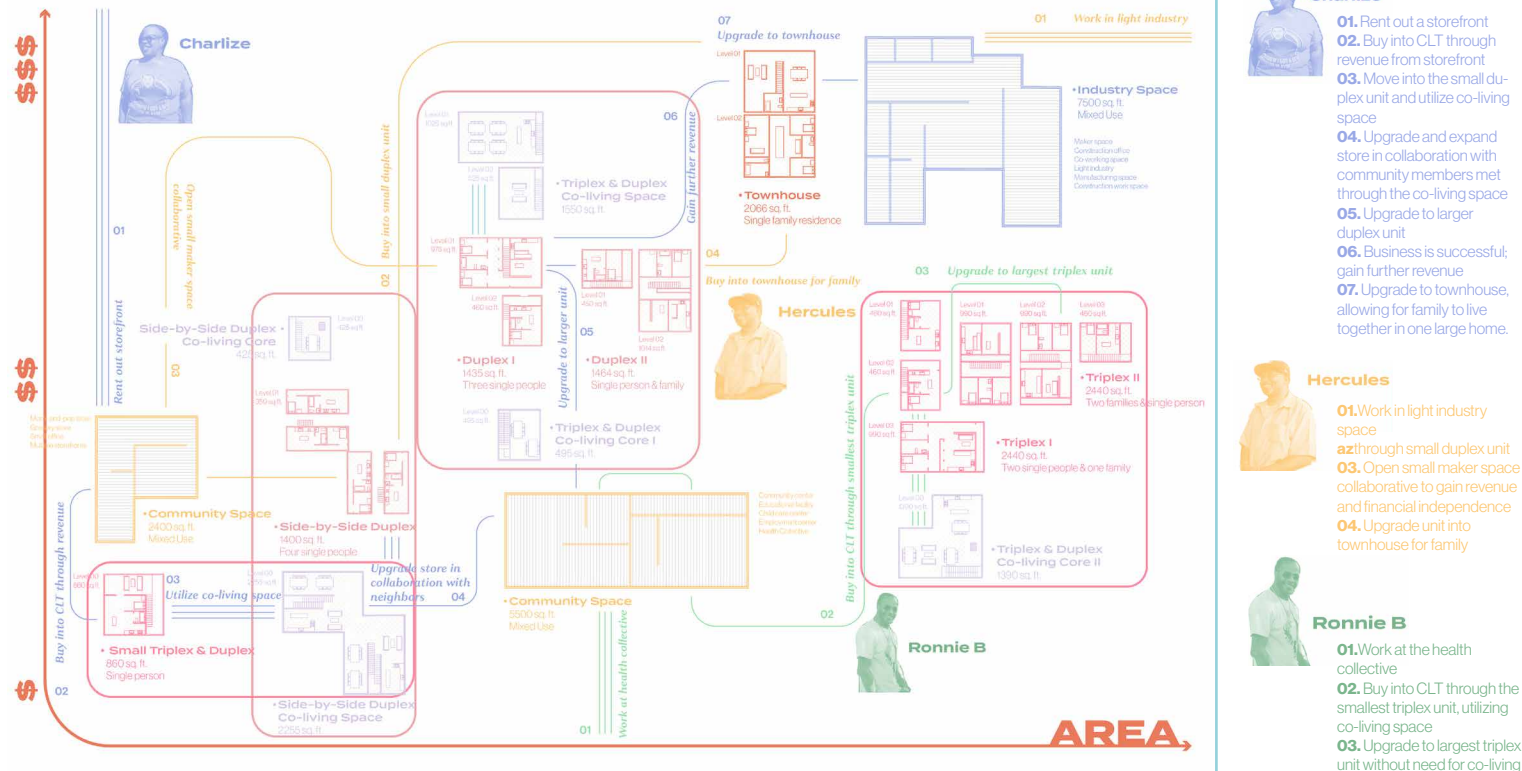
For more information on operating CLTs in NYC, scan the QR code below:





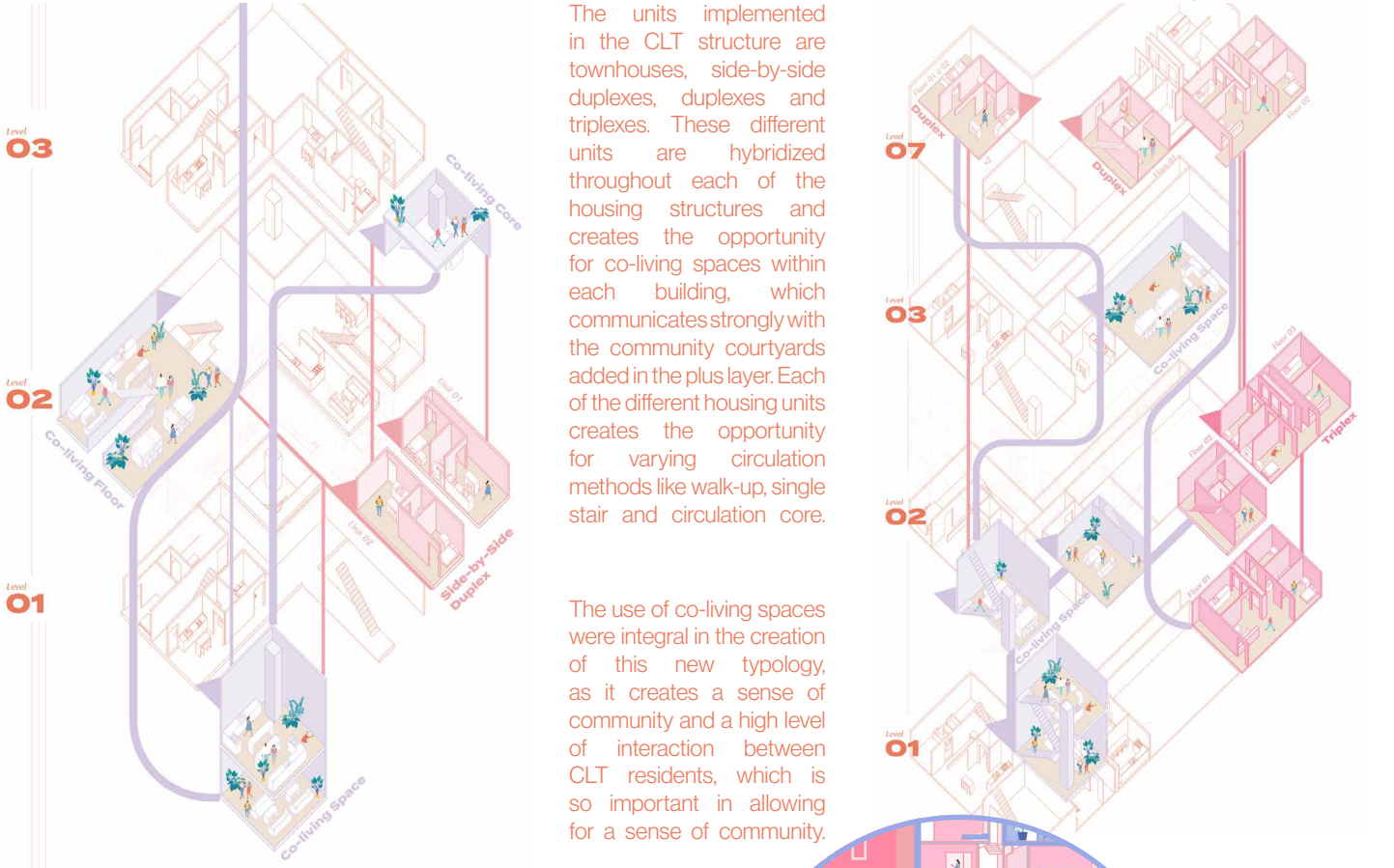
Research and design principles are manifested into a set of rules that created opportunities for community interaction. The L-shaped buildings create the perfect cove for a shared courtyard and the spaces between each block creates a set of multiple medium sized courtyards that then feed into the largest courtyard, allowing for all buildings to find a sense of community within their CLT.

How can we implement an affordable housing solution in West Farms?



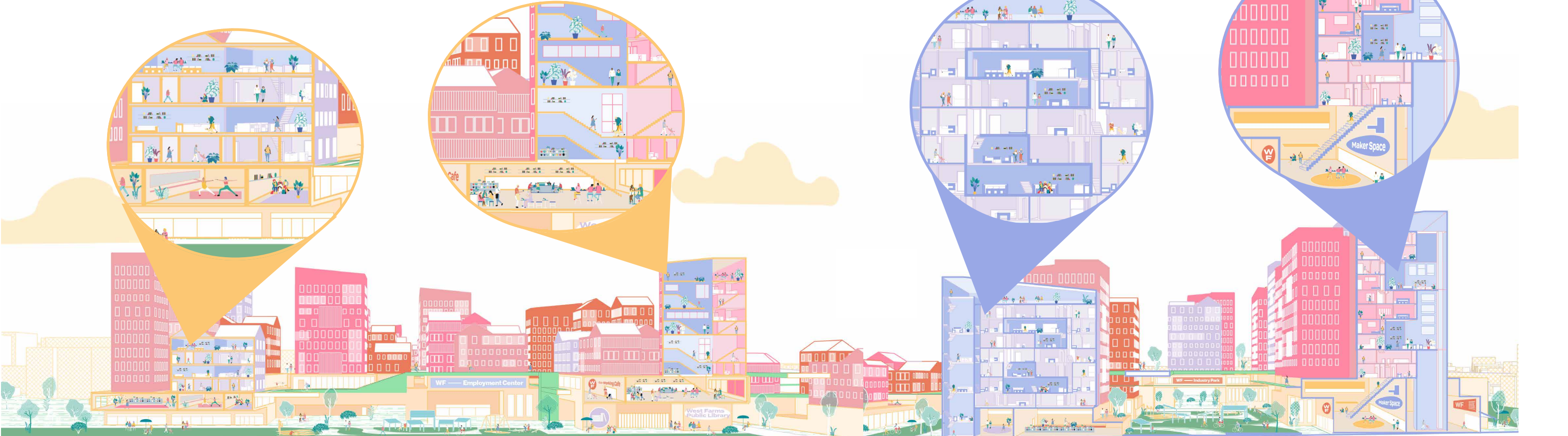
Giving various options in this manner allows families and individuals to hold autonomy in which kind of environment they intend to exist within. It was important to propose a large variety of unit areas, to cater to different types of families and individuals that may find themselves needing different things.

West Farms Community Land Trust+ | Selected Works



The units implemented in the CLT structure are townhouses, side-by-side duplexes, duplexes and triplexes. These different units are hybridized throughout each of the housing structures and creates the opportunity for co-living spaces within each building, which communicates strongly with the community courtyards added in the plus layer. Each of the different housing units creates the opportunity for varying circulation methods like walk-up, single stair and circulation core.

The use of co-living spaces were integral in the creation of this new typology, as it creates a sense of community and a high level of interaction between CLT residents, which is so important in allowing for a sense of community.



The community block has a mixed density of housing that sits along a variety of community based storefront spaces like schools, libraries, community centers and more.

The industry zone has higher density housing that sits along larger span pedestal storefront zones and focuses on maker spaces, light industry zones, and more.

PHILLIP

PHIPPS HOUSES
PRESIDENT & CEO

BEFORE WEST FARMS
COMMUNITY LAND TRUST+...

PHILLIP, PRESIDENT OF PHIPPS
HOUSES, HAS ONE GOAL:

PROVIDING AFFORDABLE
HOUSING FOR THE RESIDENTS
OF WEST FARMS.

HOWEVER, RESIDENTS FEEL THAT THEY LACK COMMUNITY OWNERSHIP AND AGENCY.

AFTER HEARING THEIR CRITIQUES, PHILLIP WANTS TO FIND WAYS TO HELP CHANGE WEST FARMS FOR THE BETTER.

PHILLIP LOOKS INTO RECTIFYING THE
ISSUE AND FINDS AN ARTICLE ON
COMMUNITY LAND TRUSTS (CLT).

PHIPPS NEIGHBORHOODS BECOMES ESTABLISHED IN THE HEART OF THE CLT, CREATING INITIATIVES AND EVENTS TO PROMOTE COMMUNITY AGENCY.

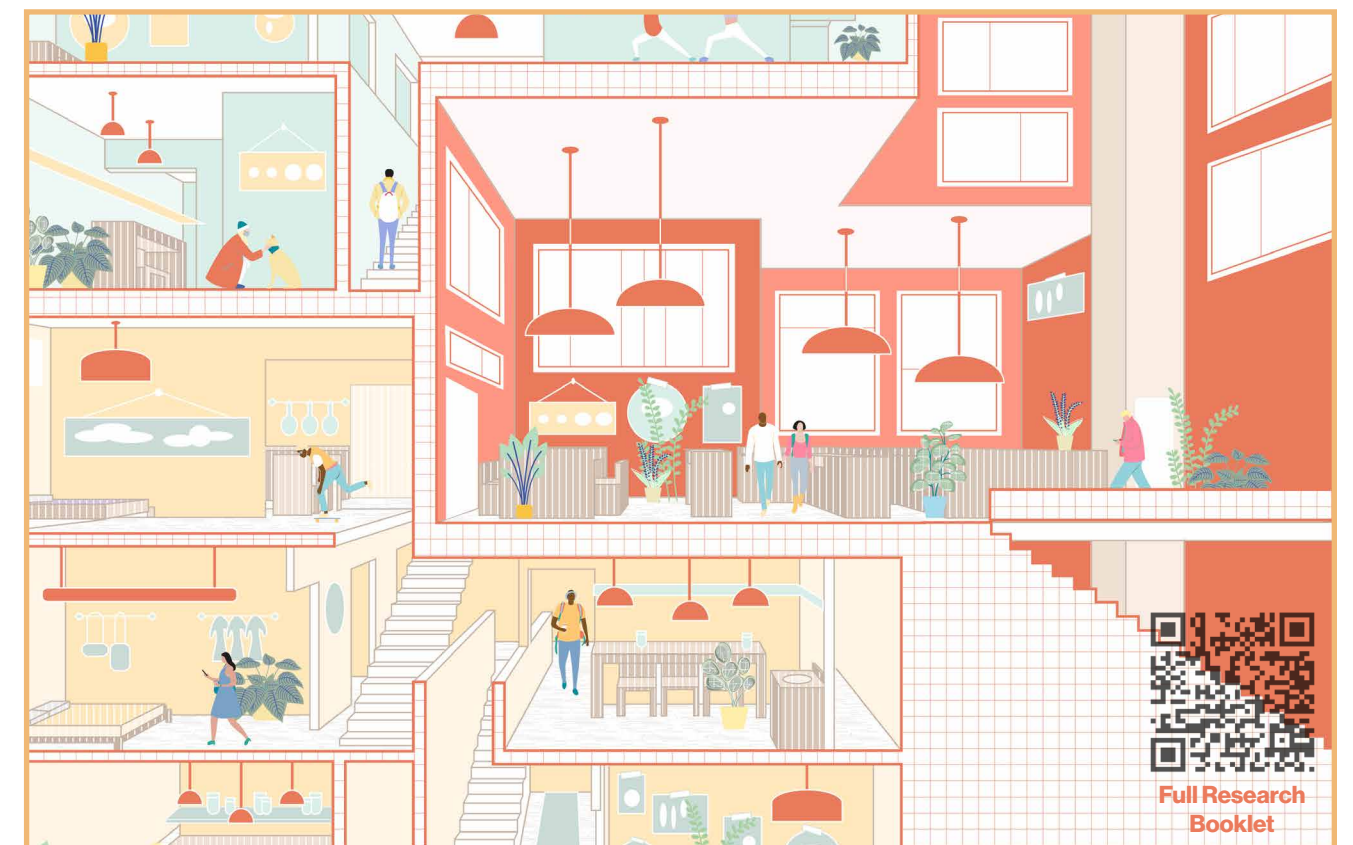
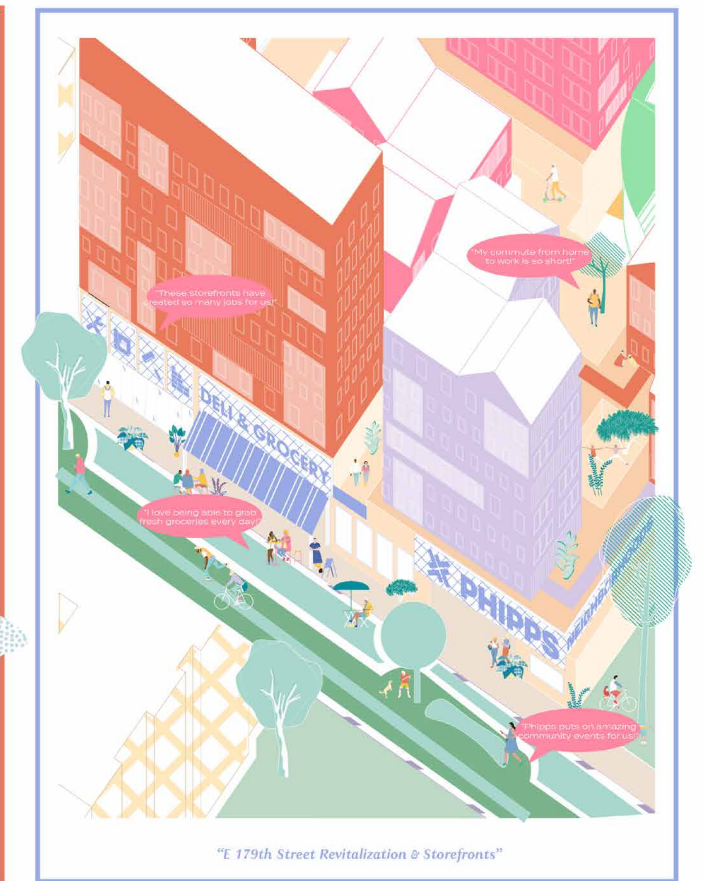
HE PITCHES CLTS TO HIS TRUSTEES AND GETS COMMUNITY MEMBERS INVOLVED.

PHIPPS DECIDES THEY CAN STRUCTURE OWNERSHIP THROUGH A CLT, PROVIDING RESIDENTS WITH **CHEAPER HOUSING AND STAKE IN THE AMENITIES ON EACH LOT.**

AS STOREFRONTS AND HOUSING BECOME POPULATED, WEST FARMS BECOMES A PLACE BUILT BY AND FOR THE COMMUNITY.

THANKS!

PHILLIP IS FULFILLED IN KNOWING HE HAS PROVIDED AN AFFORDABLE, EQUITABLE, AND HOPEFUL FUTURE FOR THE WEST FARMS COMMUNITY!

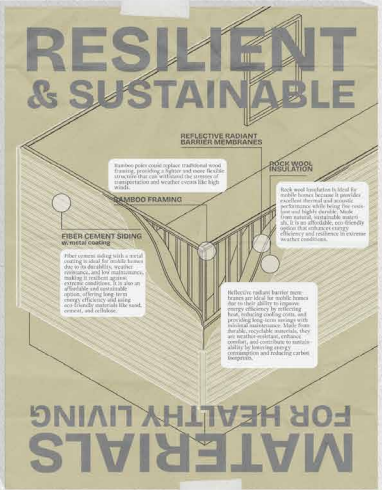
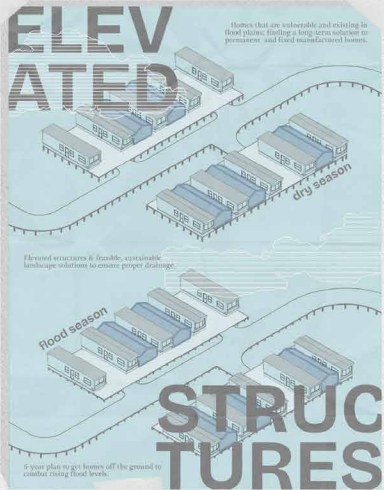
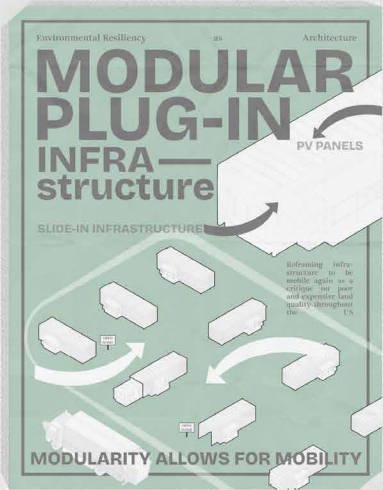
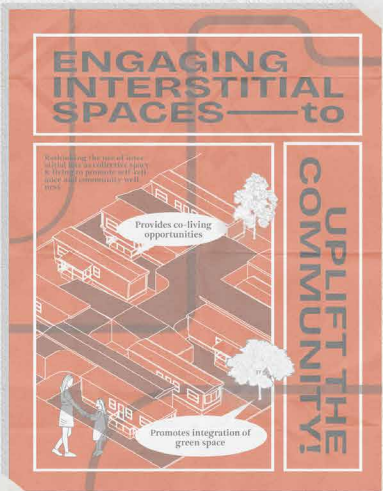
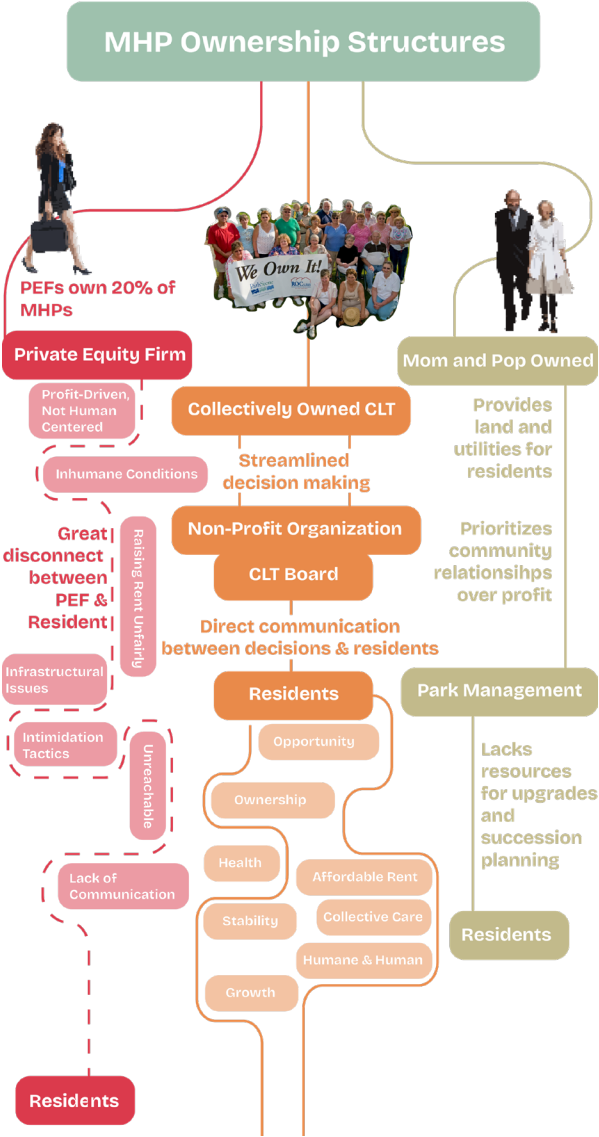


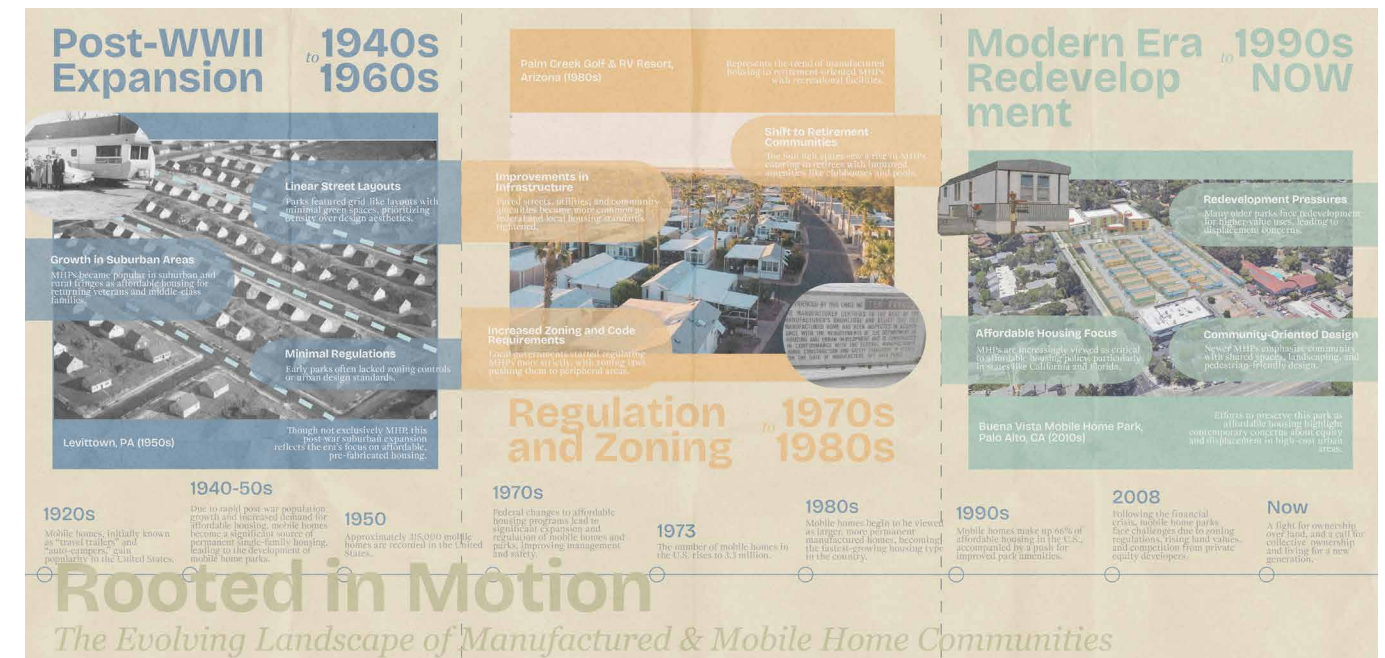
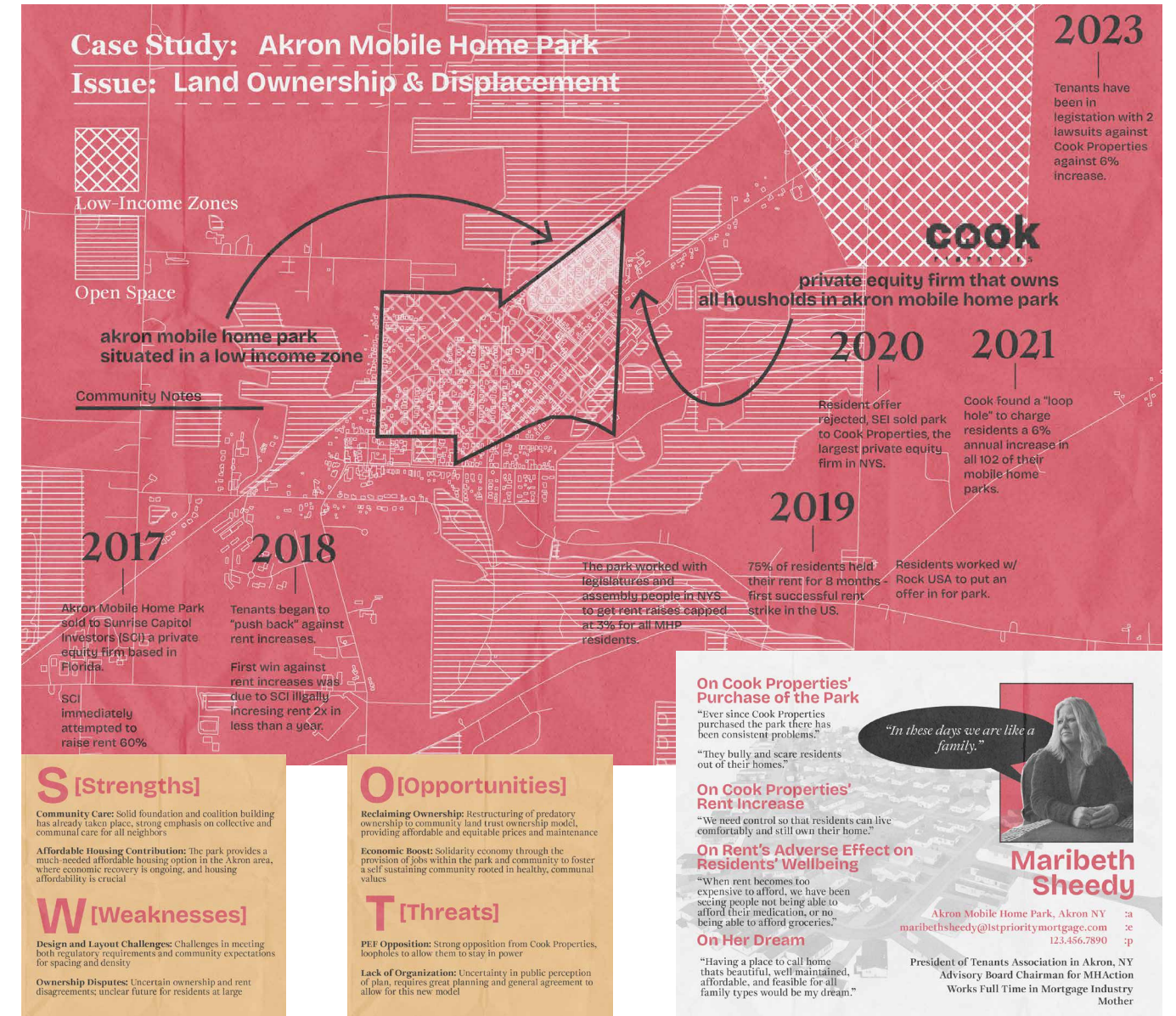
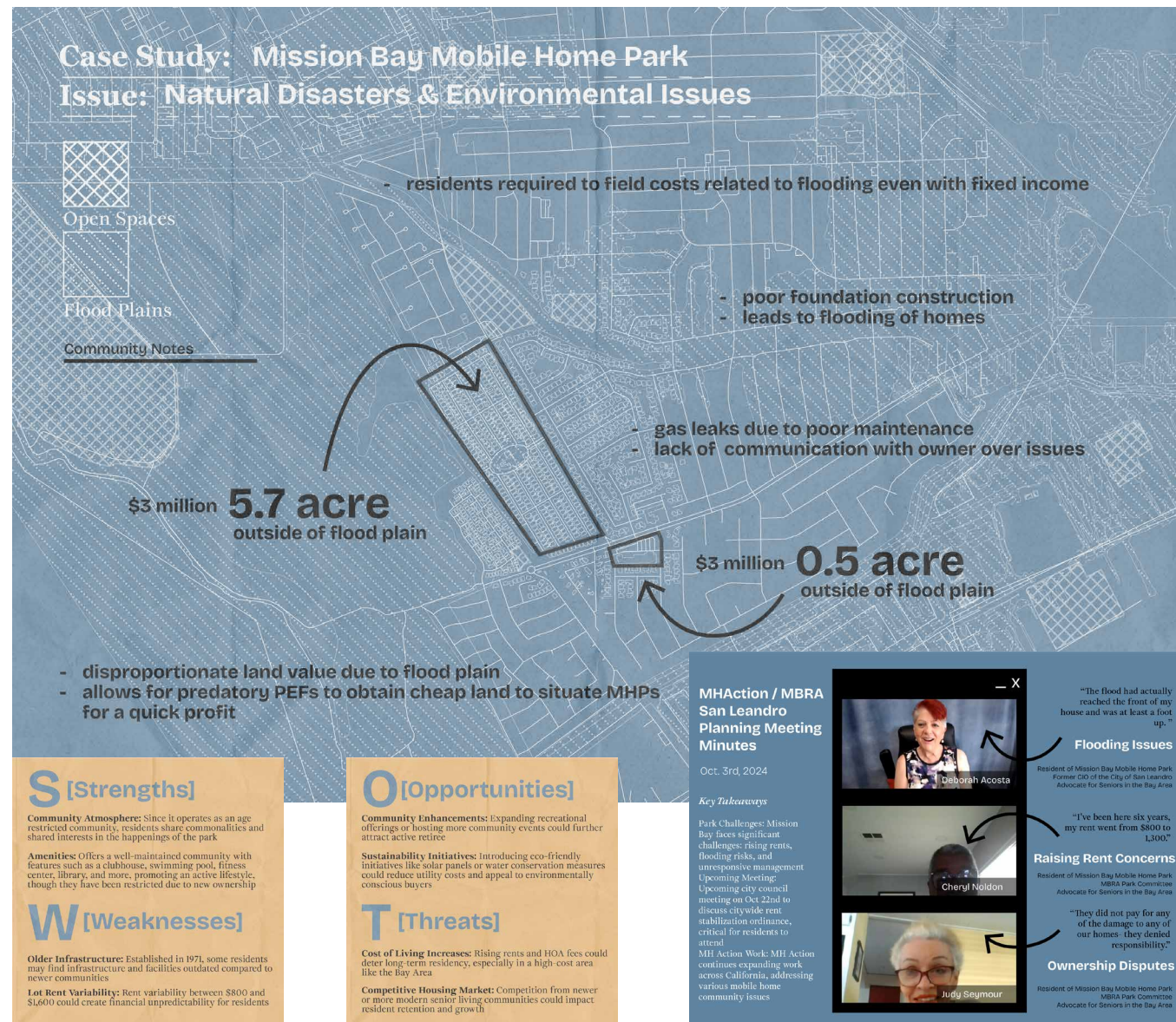
How can ownership play a role in providing lasting bonds and resilience for vulnerable communities?

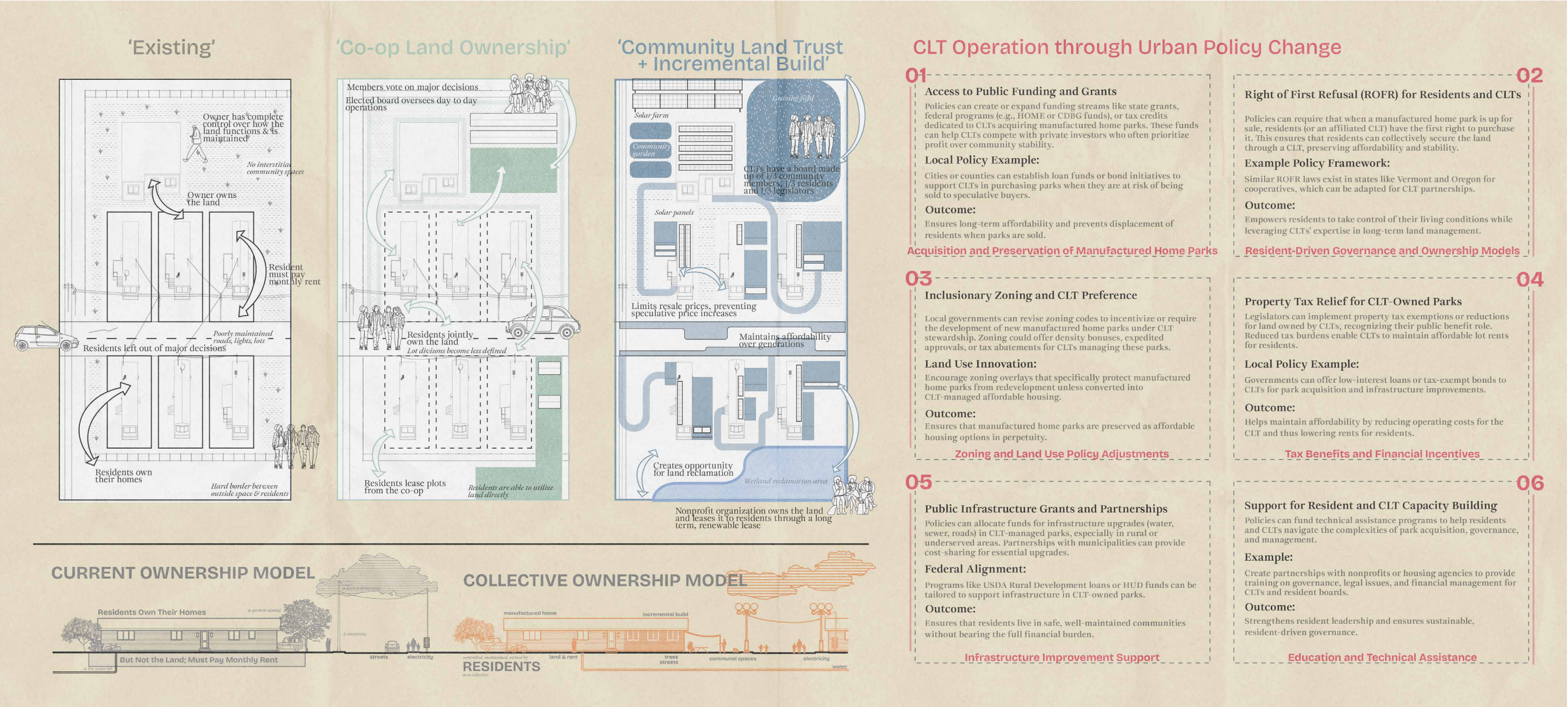
The Collective Act of Reclaiming Home

Instructor: Victoria Vuono
Team: Elise Park
Contribution: Research, Design, Visual Representation and Post Production
Fall 2024

Reclaiming Home examines how collective land ownership in manufactured home parks can provide affordable, stable housing rooted in autonomy and community, empowering residents without the fear of displacement. The diverse community includes single-income households, veterans, immigrants, retirees, and disabled individuals, all vulnerable to being priced out by corporate developers using intimidation tactics. Through four case studies—land ownership and displacement, rural communities, disaster-affected residents, and those at risk of homelessness—the thesis highlights widespread issues affecting marginalized groups. It explores the potential for land ownership models that prioritize tenants, fostering autonomy, stability, and community resilience. By supporting incremental building, such models promote well-being and social interaction, offering residents a genuine sense of home and upward mobility.







Organization: **MHAction**
Purpose: **Education & Advocacy**



Empowers residents of manufactured home communities to organize, advocate, and fight for their rights.

Education
Leadership training
Support for issue driven campaigns

Helps Protect Against:
Rent hikes, poor maintenance, corporate abuses

How Does MHAction Interact w CLTs:
Helps organize and educate residents about the benefits of CLTs

- Long term affordability & community control
- Advocate for public funding
- Negotiate with park owners to transfer land ownership
- Connects residents with partners, such as housing nonprofits
- Leadership training prepares residents to engage in the governance of CLTs

Check out MHA!



Check out ROC!



Helps Residents:
Purchase the land beneath their homes

How Does ROC USA Support CLTs:
Leveraging its expertise in financing, organizing, and technical assistance

- Facilitating the transition of land ownership to a nonprofit CLT so residents can retain ownership of their homes
- Provide loans to support land acquisition
- Certified Technical Assistance Providers guide residents in forming governance structures that align with CLT principles

Organization: **ROC USA**
Purpose: **Land Purchase & Facilitation**



Helps residents of manufactured home parks purchase the land beneath their homes, turning them into resident-owned communities.

Financing
Training
Ongoing support

How can we reclaim the future of West Baltimore through art, culture, and community?

Threads of Healing

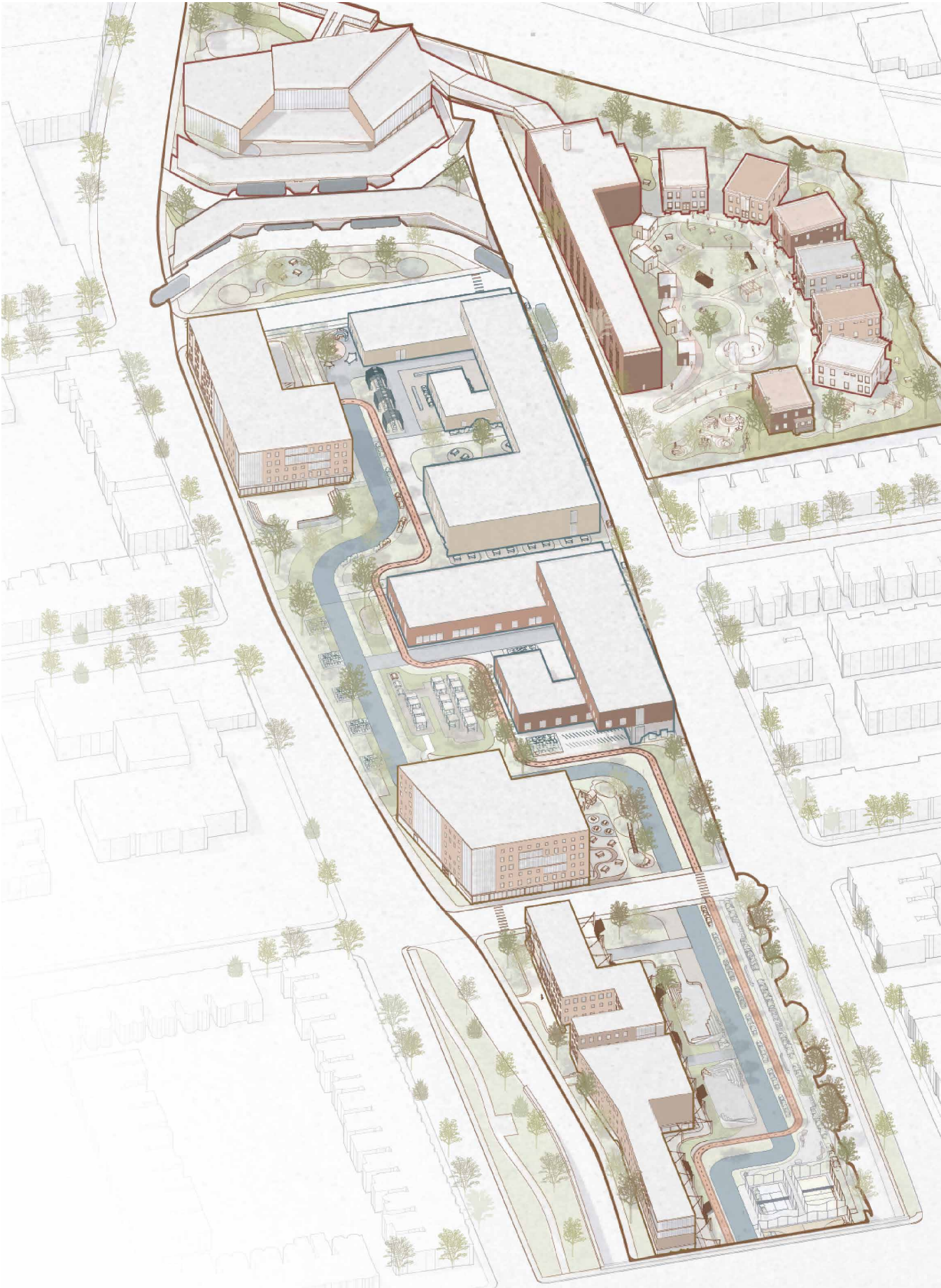
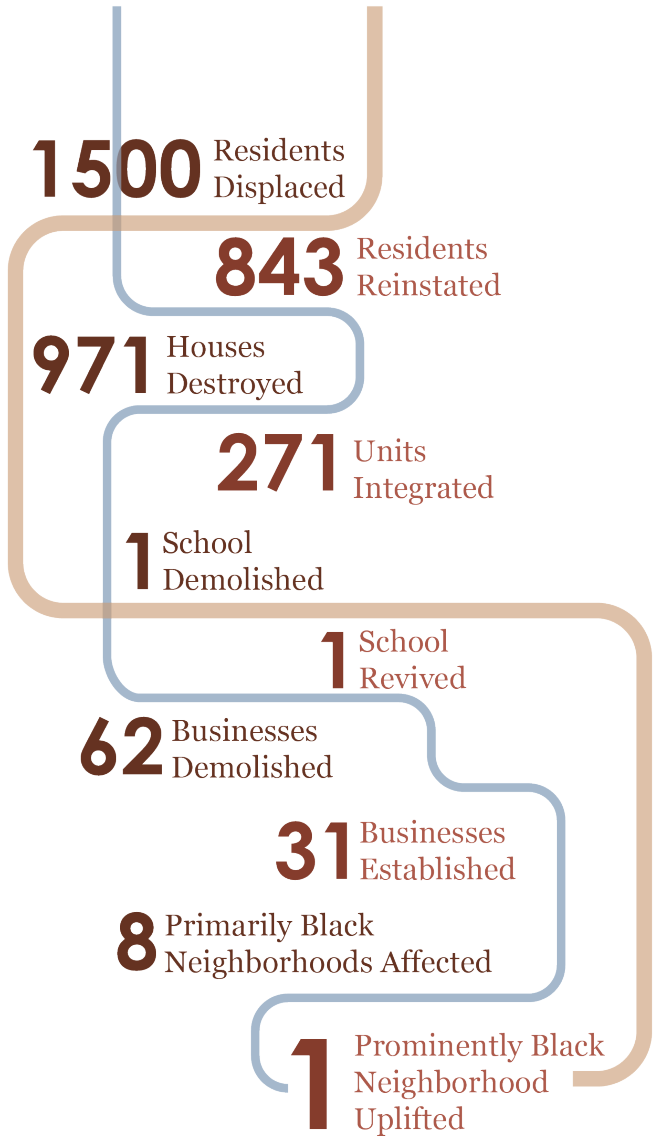
NOMAS BGL Student Design Competition

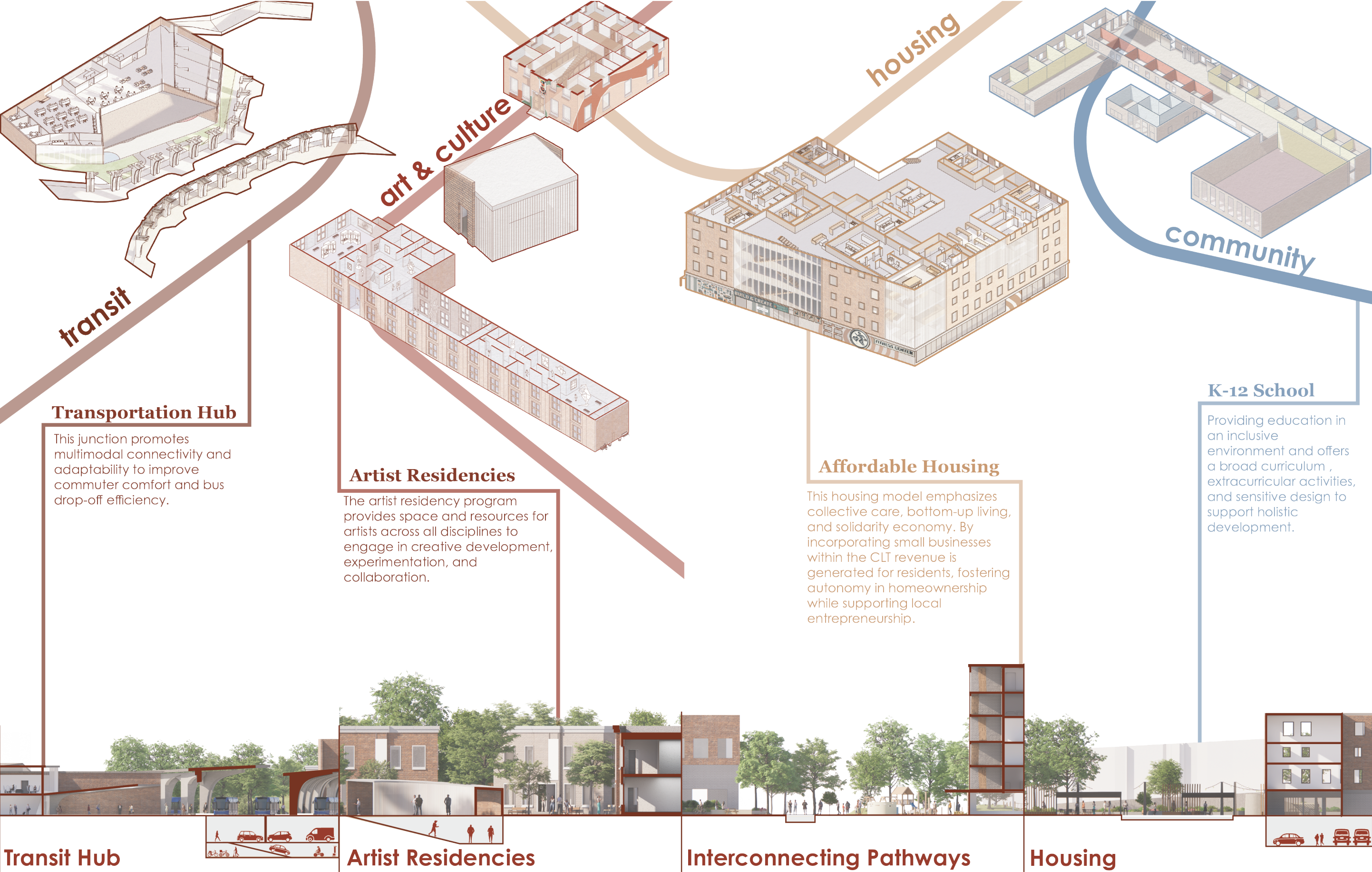
Finalist, 4th Place

Awarded Honorable Mention

Contribution: Research, Design, Visual Representation and Post Production, Model Fabrication
West Baltimore, Maryland
2024

Threads of Healing aims to give agency back to the Black community in West Baltimore by implementing community land trusts as collective ownership and affordable housing, and supplementing it with art, culture and green infrastructure to add communal value. Offering displaced residents, homes and small businesses a second chance through the CLT will allow for a pathway to connect a harrowed past to a bright future. This project also finds methods of healing the scars of West Baltimore due to the addition of the I-40 corridor. It serves as a testament to the community's efforts to enact meaningful change in their environment and memorializes the collective struggles and triumphs of its residents. By integrating elements that reflect the history and identity of the area, the project aims to restore and bring back what was once lost, transforming spaces of destruction into vibrant hubs of activity and engagement. This design not only honors the past but also creates a foundation for a sustainable future, empowering the community to thrive and grow together.







50% Greater Community Involvement
Community gardens and green spaces in West Baltimore have boosted local environmental involvement by 50%, **fostering ownership and pride in the neighborhood.**

5000-10000
Tons of CO2 Sequestered
West Baltimore's tree canopy is around 20%, below the ideal 30%, and increasing it to this target could **sequester 5,000 to 10,000 tons of CO2 annually.**

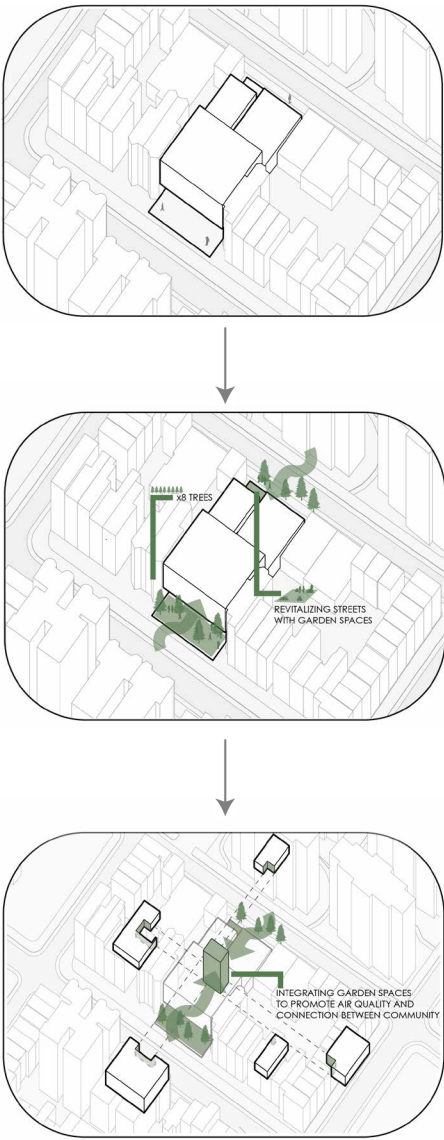


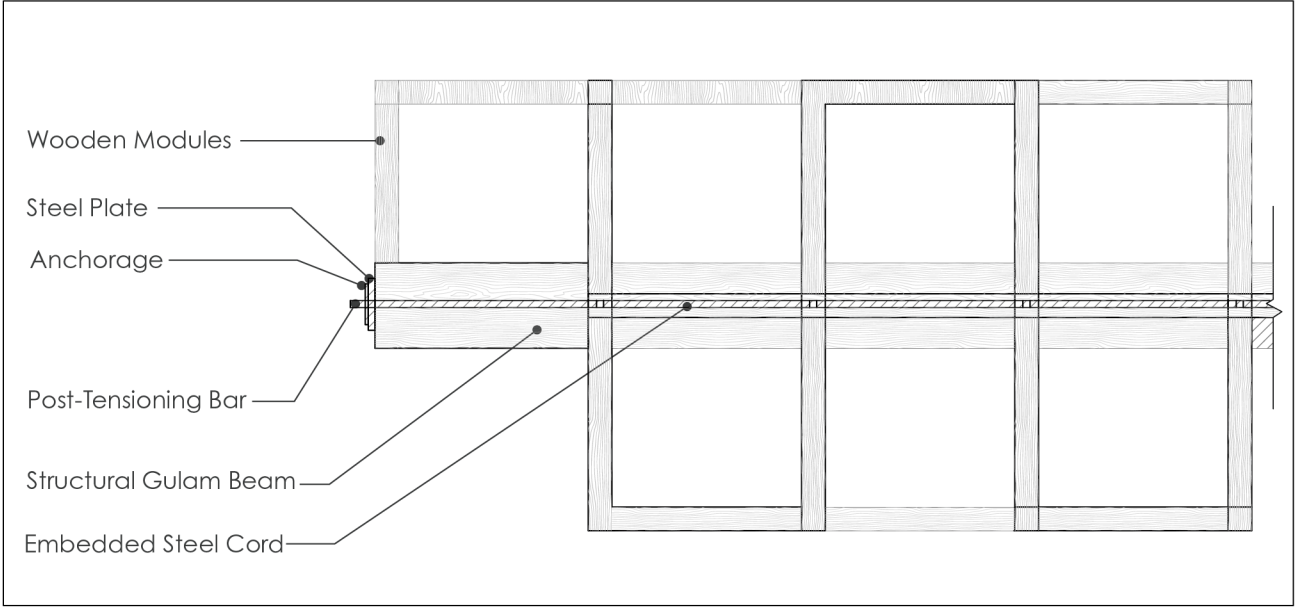
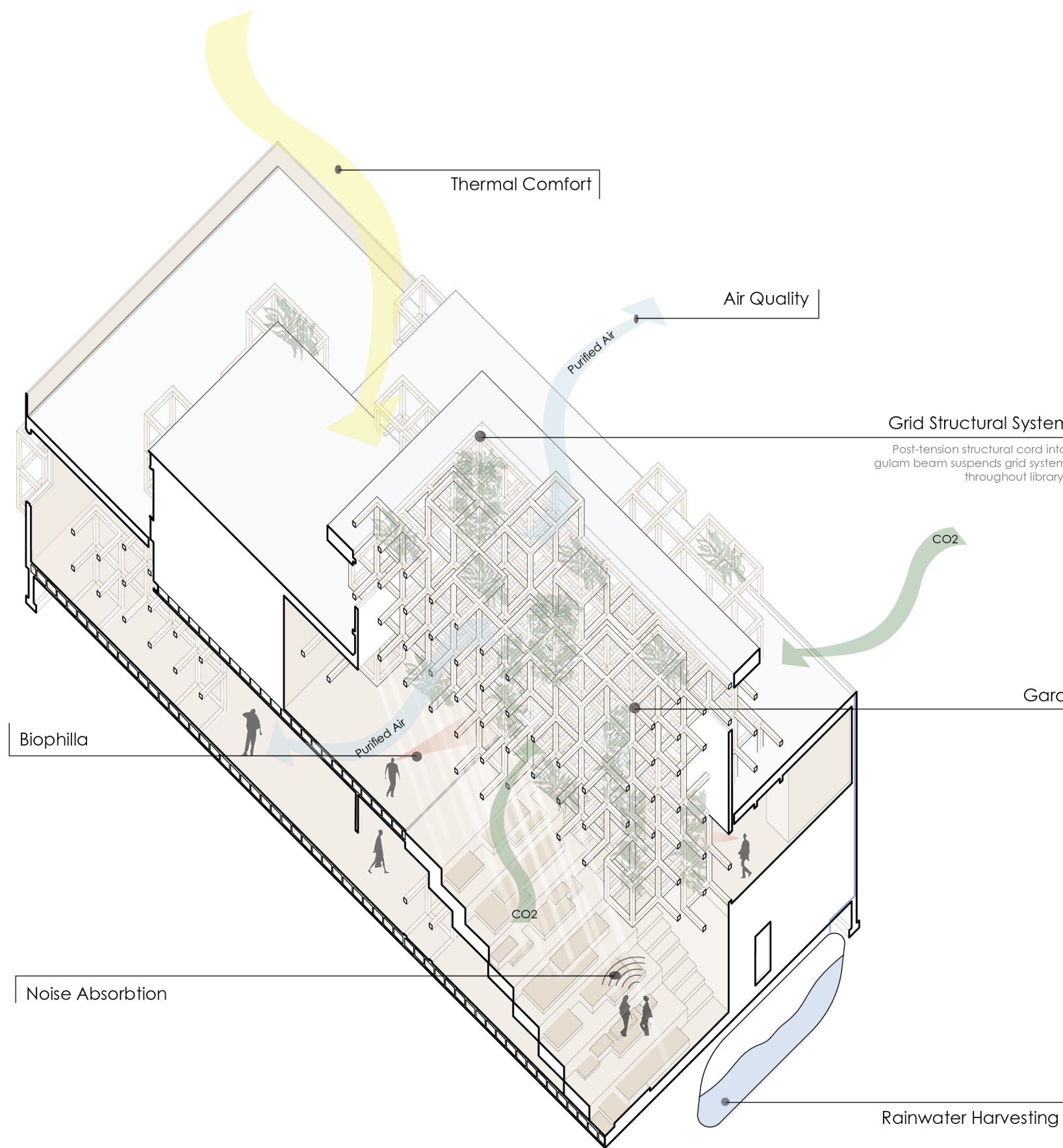
How can biophilic design be used as a tool to enhance the experience of a space?

Clinton Hill Library

Architectural Design Studio 7
Instructor: Robert Cody
Individual
Brooklyn, New York
Fall 2023

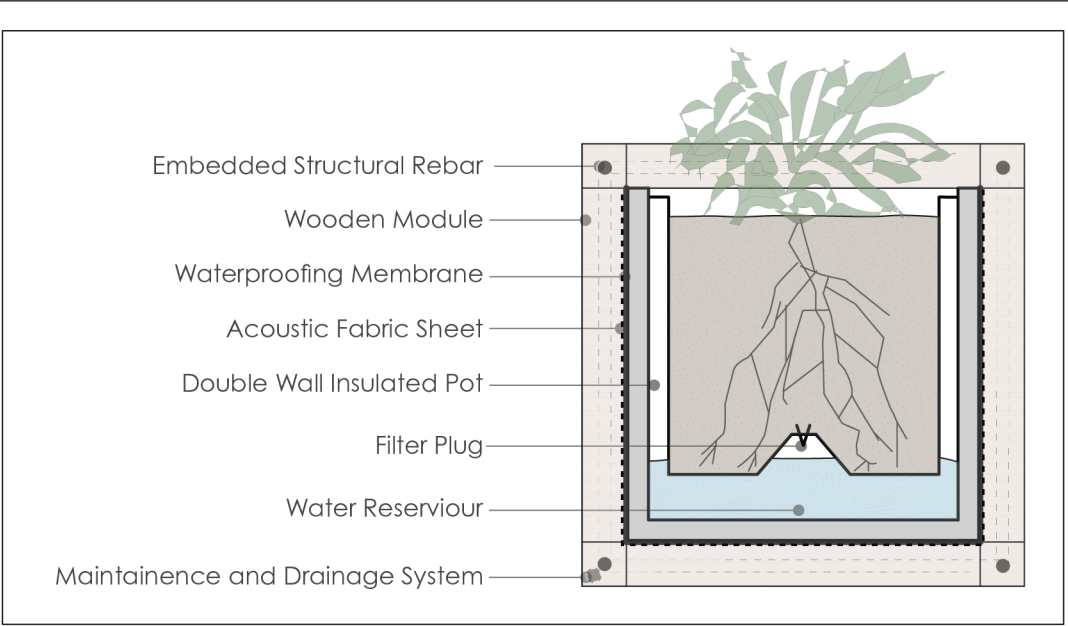
This project proposes a new method and technology for controlling experiences throughout a library building. By exceeding Brooklyn street vitalization minimums through replanting trees and public gardens, as well as the introduction of interior planter modules into the library, this building strives to give back to the community on a multitude of levels. In the library, a 5' x 5' garden grid module has been designed as a major connection between all elements of the building. It not only appears all throughout the library by providing a way for inhabitants to see plants and light throughout the year, but it also informs and organizes the layout of the structure by conforming its modular 5' x 5' grid to the structural 25' x 25' grid. The use of planter modules allows for controlling the noise, light, temperature, air quality, and the general feeling of the inhabitants both inside this structure and throughout the surrounding community. The overall goal of this project is to provide a space for the surrounding community to be able to stop and take a breath.





Garden Module System

5' x 5' Modular Grid



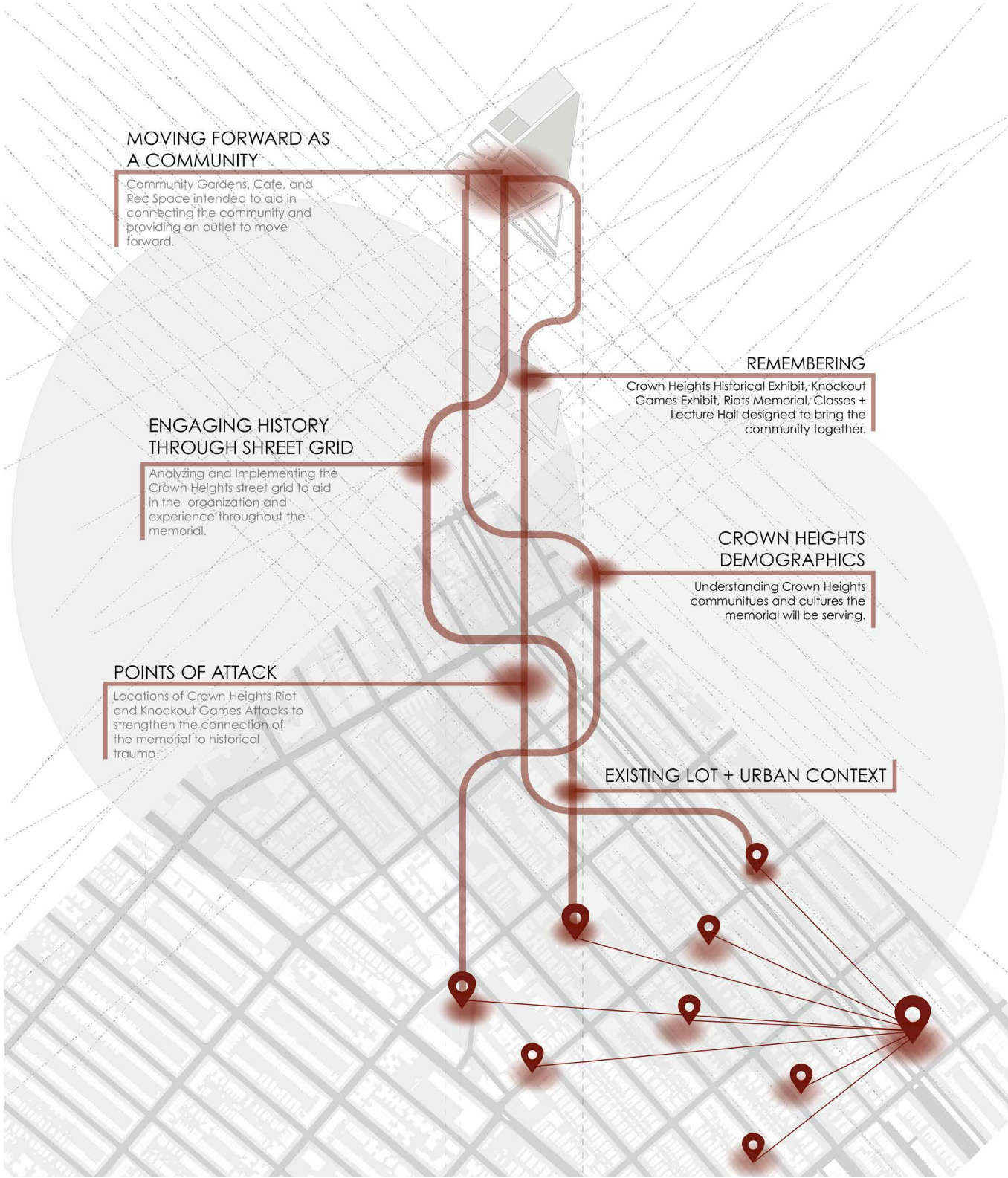
How can design promote cultural learning and exchange through shared trauma?

Collision on President Street

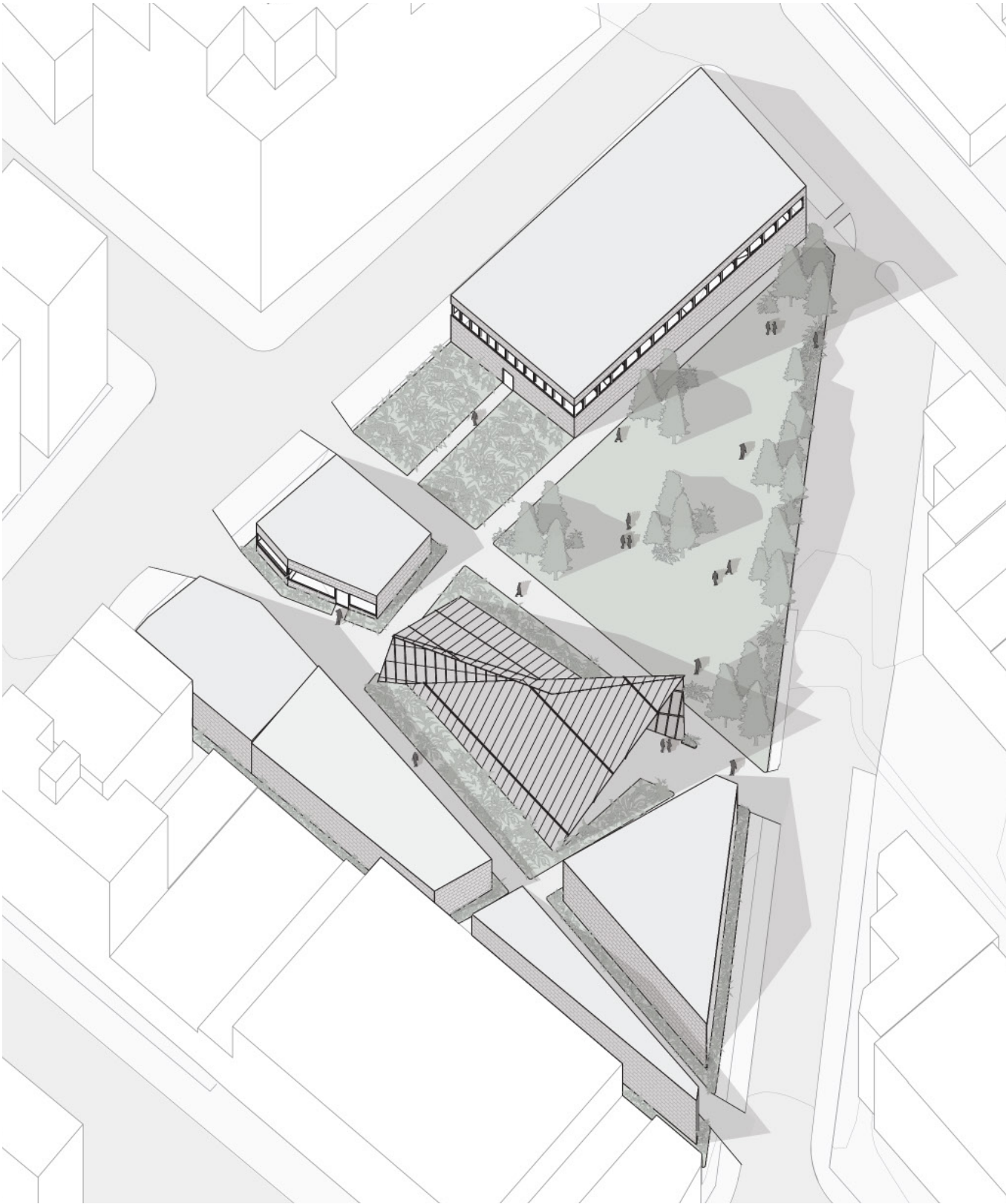
Architectural Design Studio 5
Instructor: Edgar Papazian
Individual
Crown Heights, NY
Spring 2023

Crown Heights has been diverse throughout history. In the early 1900s, it was home to Irish, Russian, Italian, and Jewish immigrants. By the mid-1900s, many white immigrants moved to suburbs, leaving the African American and Jewish communities to grow in Crown Heights. Despite sharing the area, these groups have had tensions, highlighted by the Crown Heights Riots of 1991 and the “Knockout Games” of 2013, which resulted in loss for both communities. In order to move forward together there is no doubt that these traumatic events need to be addressed and remembered. Analyzing demographics, history, and street grid layout, the design will reflect the traumatic events and promote reconciliation. The memorial will feature a pavilion pointing to the 1991 accident site, with structures that echo the collision, and a sunken design to foster reflection and unity.





Synthesizing research and data analysis to develop innovative, context-sensitive design solutions that address urban challenges and enhance the built environment.



A memorial informed by in-depth research and community input, aimed at honoring local heritage and fostering a sense of unity and healing.

How can a city reconnect to its river through the paradigmatic infrastructural decking of a highway?

Fastscape & Slowscape

Banpo-Hangang River Connection Competition

Phase 2 Finalist : 3rd Place

Team: Architecture & Urban Design : MMK+,
Strange Works Studio, Emergent Studio

Role: Emergent Studio Design Intern

Contribution: Design Studies, Visual
Representation, Post Production

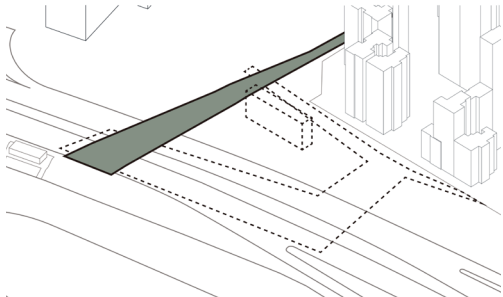
Seoul , South Korea
2024

Fastscape-Slowscape explores Seoul's dual urban narratives: the structured urban grid and the meandering ecological landscapes. It aims to reconnect the city to its river by transforming the Olympic-daero highway into two distinct experiences. The Fastscape offers a quick route from SinBanpo-ro to the Hangang riverfront, catering to visitors and tourists with a focus on speed and view. The Slowscape, on the other hand, provides a more relaxed and immersive experience for residents, featuring diverse ecologies and meandering pathways. Both areas converge at a new cultural building that integrates the historic 108 building, creating a space that bridges fast-paced and contemplative urban experiences.

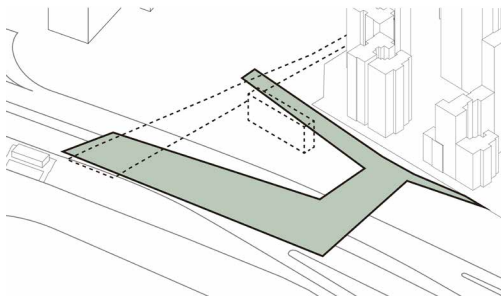




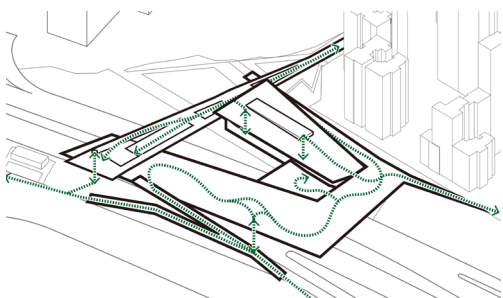
The project is a place **to view** and **be viewed**.



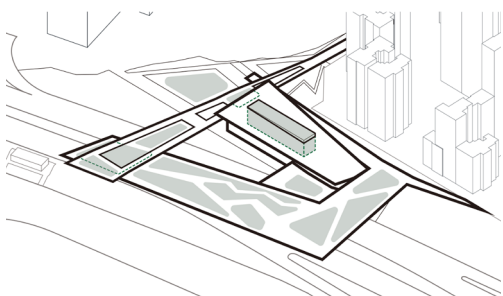
Fastscope



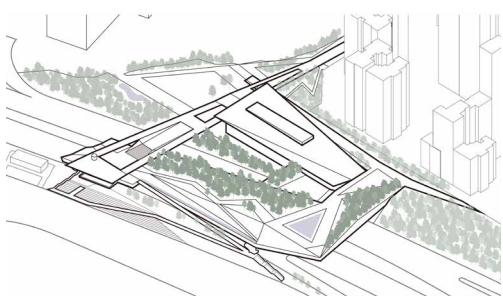
Slowscope



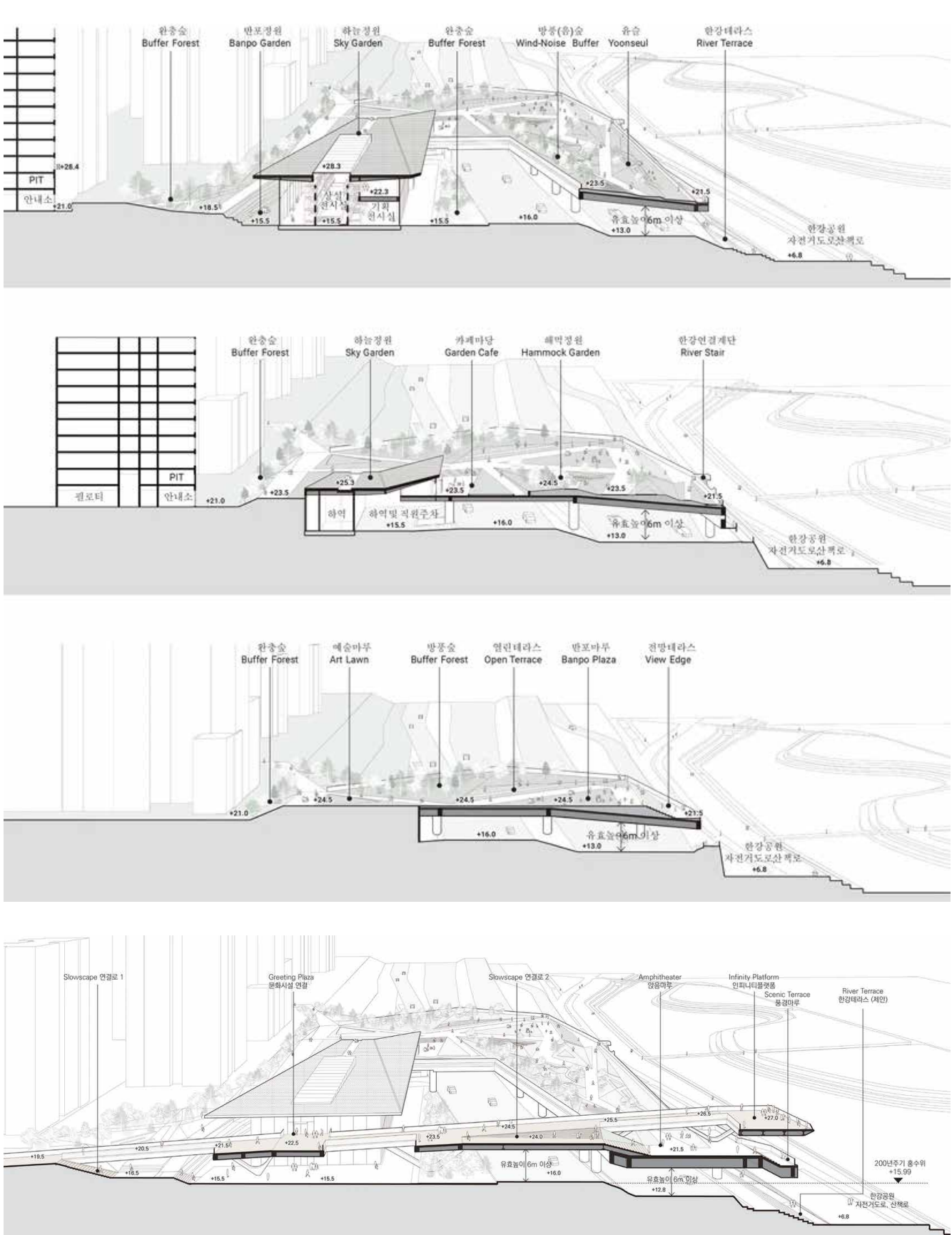
Connection



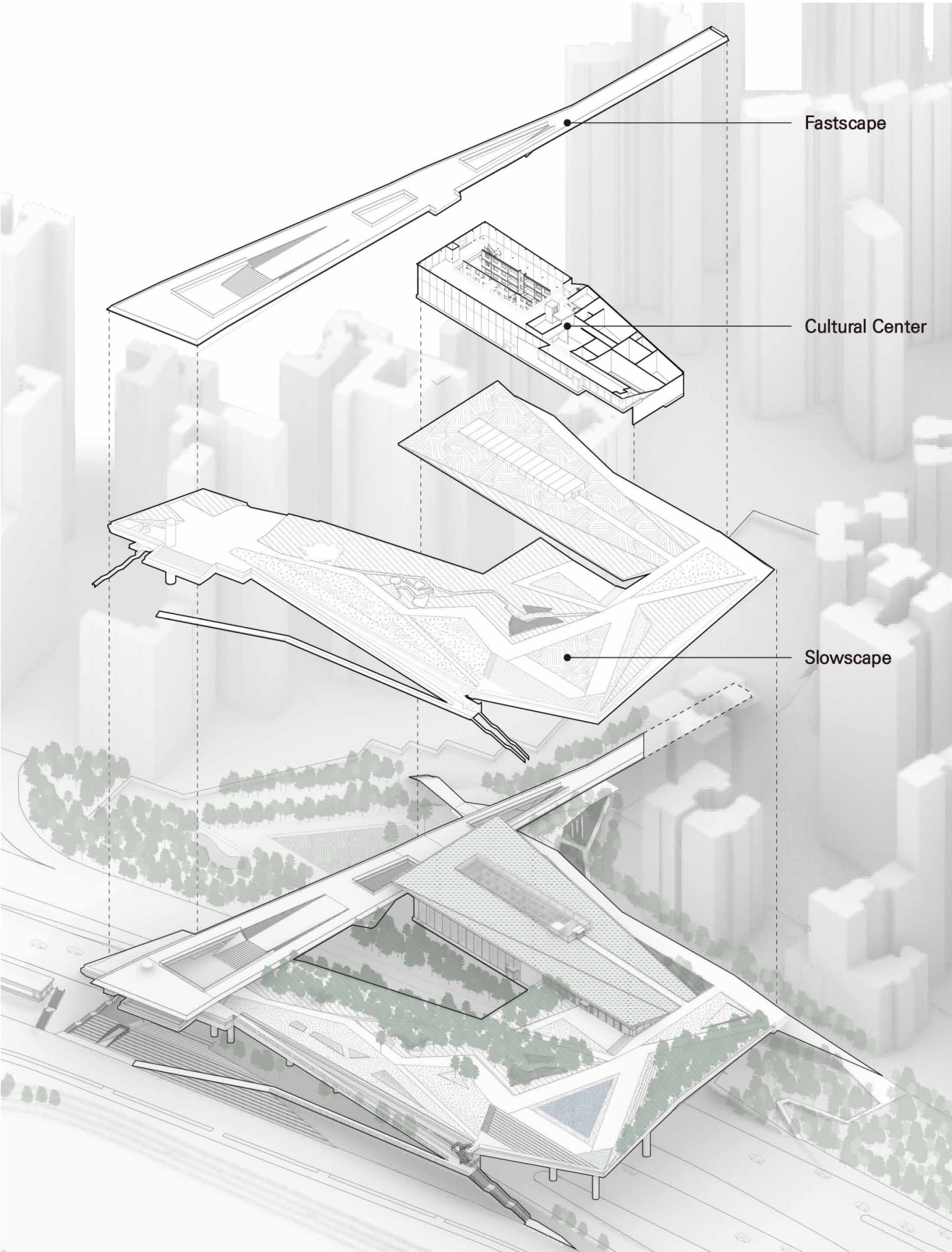
Open Space + Place Making



Environmental Integration



Section details used to design **diverse spatial experiences** emphasizing the difference between slow and fast speeds of movement - stacking vertically and framing views at key moments of sectional intersection in the new deck-park.



A layered design that seamlessly integrates diverse programmatic elements, varying speeds of movement, and a deep connection to the history and culture of the city

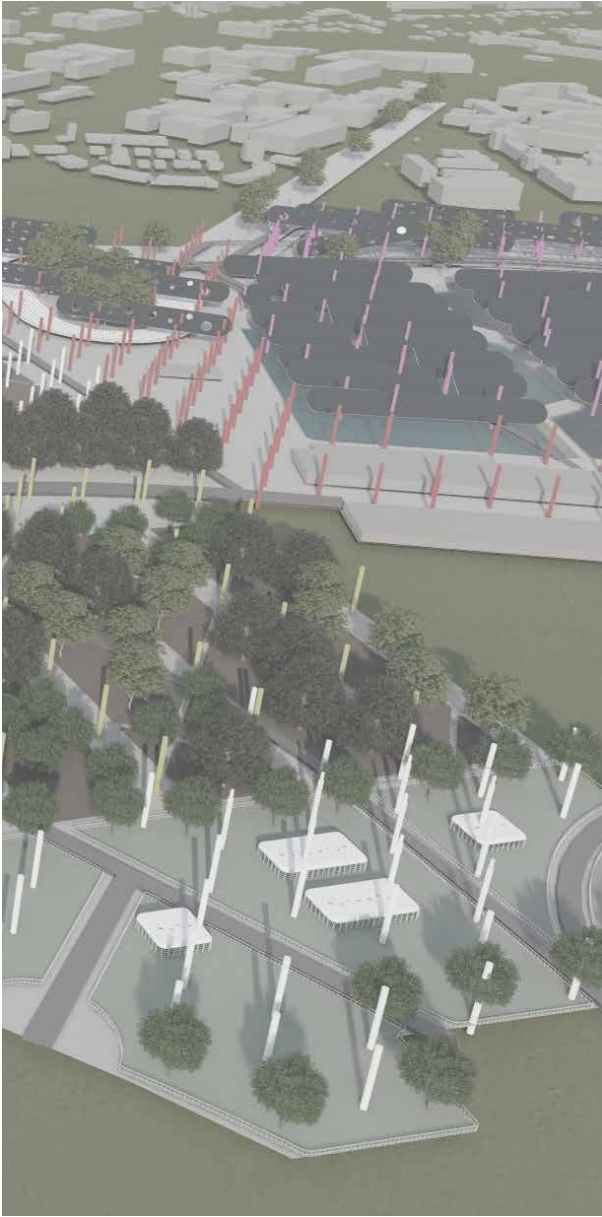
How can community-based design foster synergies between energy production, ecology, and the economy?

Productive Frictions: E3

LAGI 2022 Competition

Team: Dongsei Kim, Elise Park
Contribution: Energy Calculation Research, Modular Design, Digital Representation and Post Production
Mannhiem, Germany
Architectural Research Assistant
2022

Productive Frictions: E3 is a green energy park in Mannheim, built on the former Spinelli Barracks site. Designed to reflect the barracks' historical map, the park focuses on ecology, energy production, and storage. It features 838 multifunctional poles and 31 large solar panels generating about 350 MWh annually. The park's western end includes carbon-sequestering trees, community gardens, and animal therapy areas. The E3 poles produce energy and sequester carbon, while the solar panels provide electricity and shade. Excess energy is stored using Closed Pumped Storage Hydropower (PSH) technology, making the park a significant contributor to renewable energy efforts in the surrounding city.



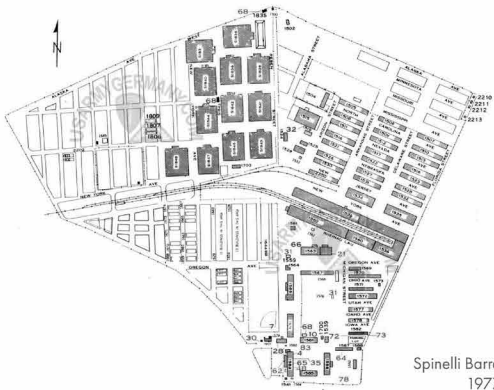
US presence in Mannheim begins 1945

Extent of US occupation at Spinelli Barracks

Spinelli Barracks is created and occupied following end of WWII.



Twelve controlled humidity warehouses on Spinelli Barracks 1971



Spinelli Barracks map 1977

Combat Equipment Group Europe (CEGE) Headquarters Early 1980s

CEGE's mission in those days was to store, maintain, and issue equipment to units from the continental United States (CONUS) deploying in support of the European General Defense Plan (GDP). This plan was tested annually during Return of Forces to Germany (REFORGER) exercises.



51st Maintenance Battalion 1981

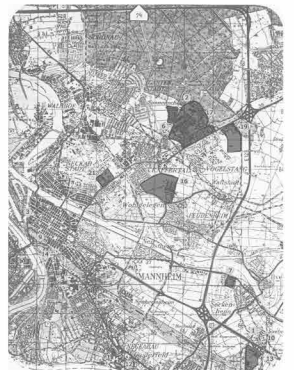
The 51st Maintenance Battalion was responsible for providing direct support maintenance to US Army units located along the Rhine River Valley between Karlsruhe and Mainz. It moved to Spinelli Barracks in 1981.



Mannheim Messenger 1981

Mannheim Messenger 1982

The Mannheim Messenger was a military newspaper that was published to update the barracks, including Spinelli, Mannheim on the military. Special happenings from the lives of the soldiers and leaders were reported in the Mannheim Messenger.



US Presence in Mannheim Map



Funori Barracks 1977



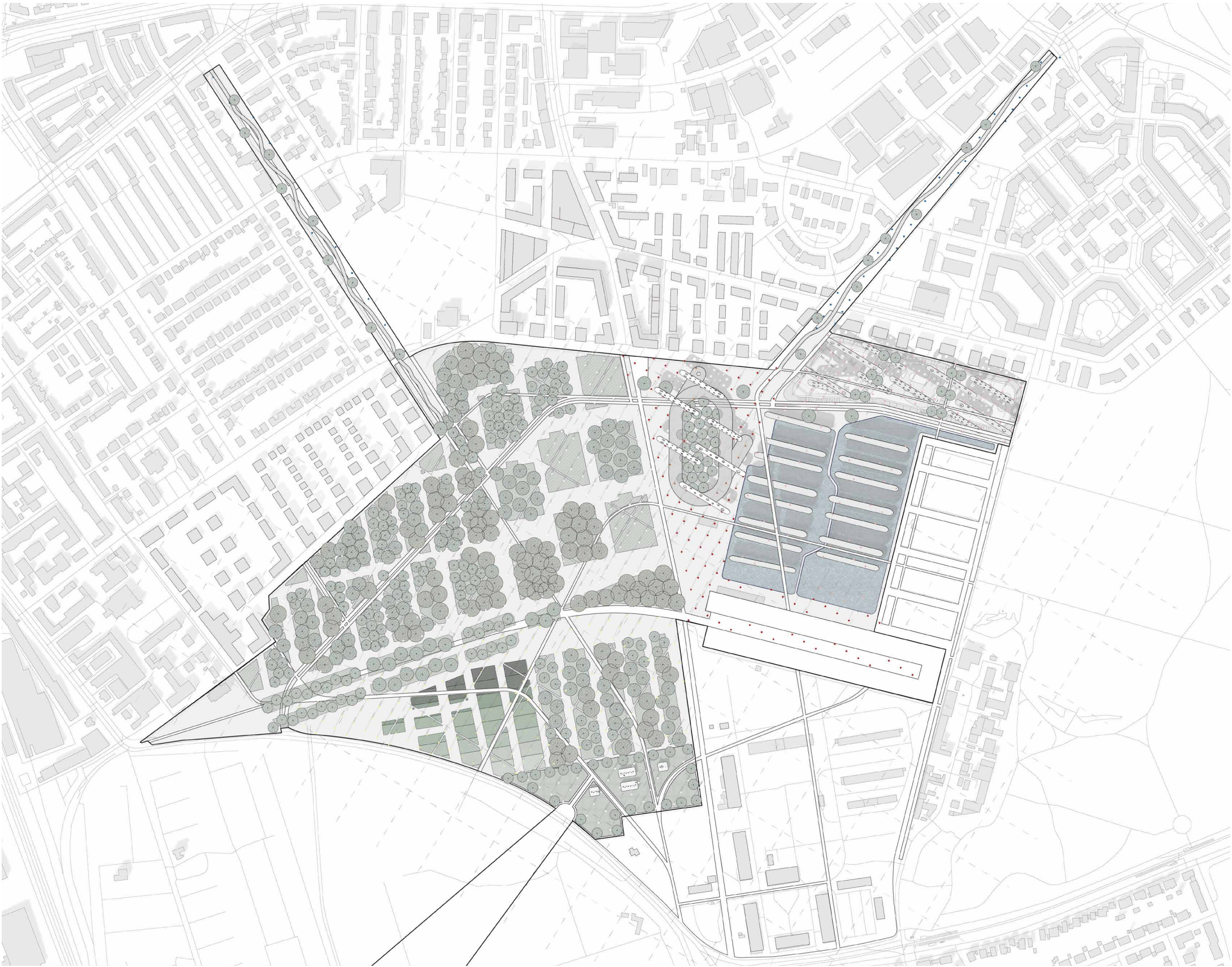
Hammonds Barracks 1977



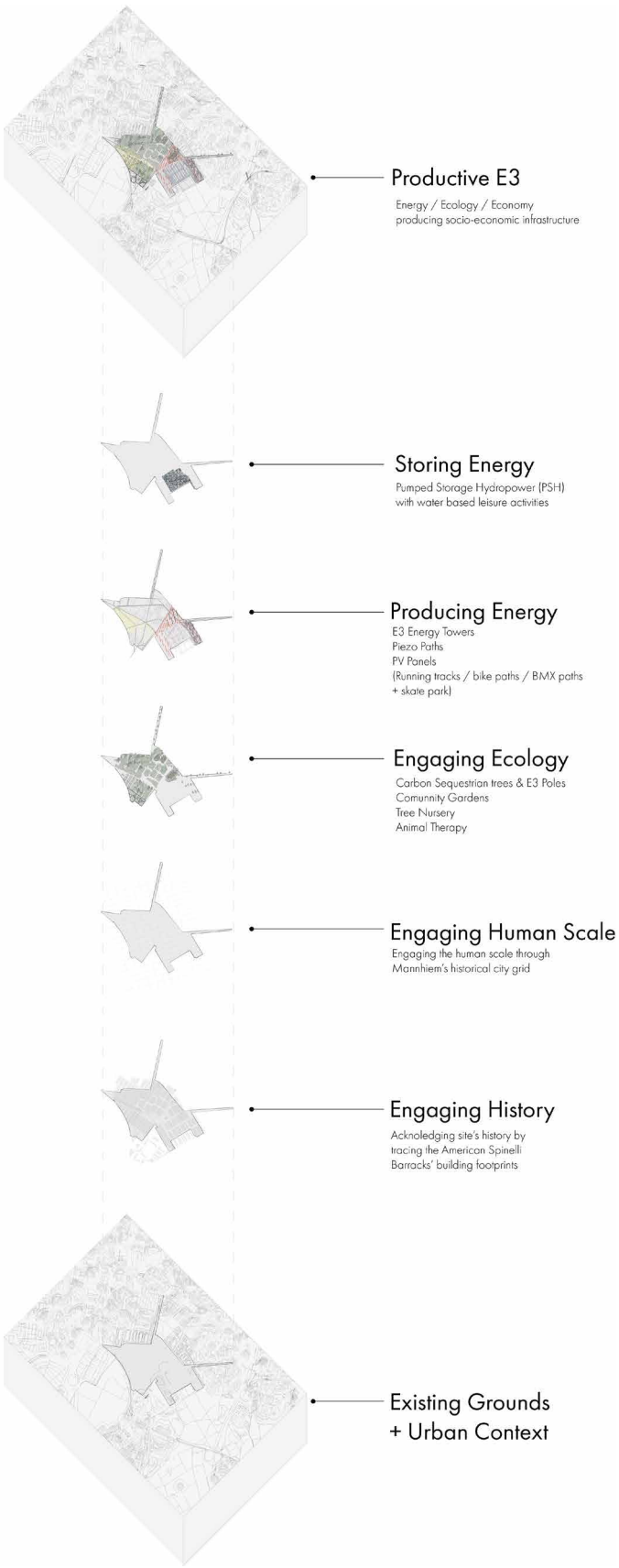
Taylor Barracks 1977

Spinelli Barracks

Mannheim, Germany
Kaeferal District



The annual capacity of the overall park would be around 8,500 MWh +. This amount can power about 343 households that consume 25kWh per day.



CARBON SEQUESTRATION

A tree must live 10 to 20 years to have a meaningful effect on the environment.

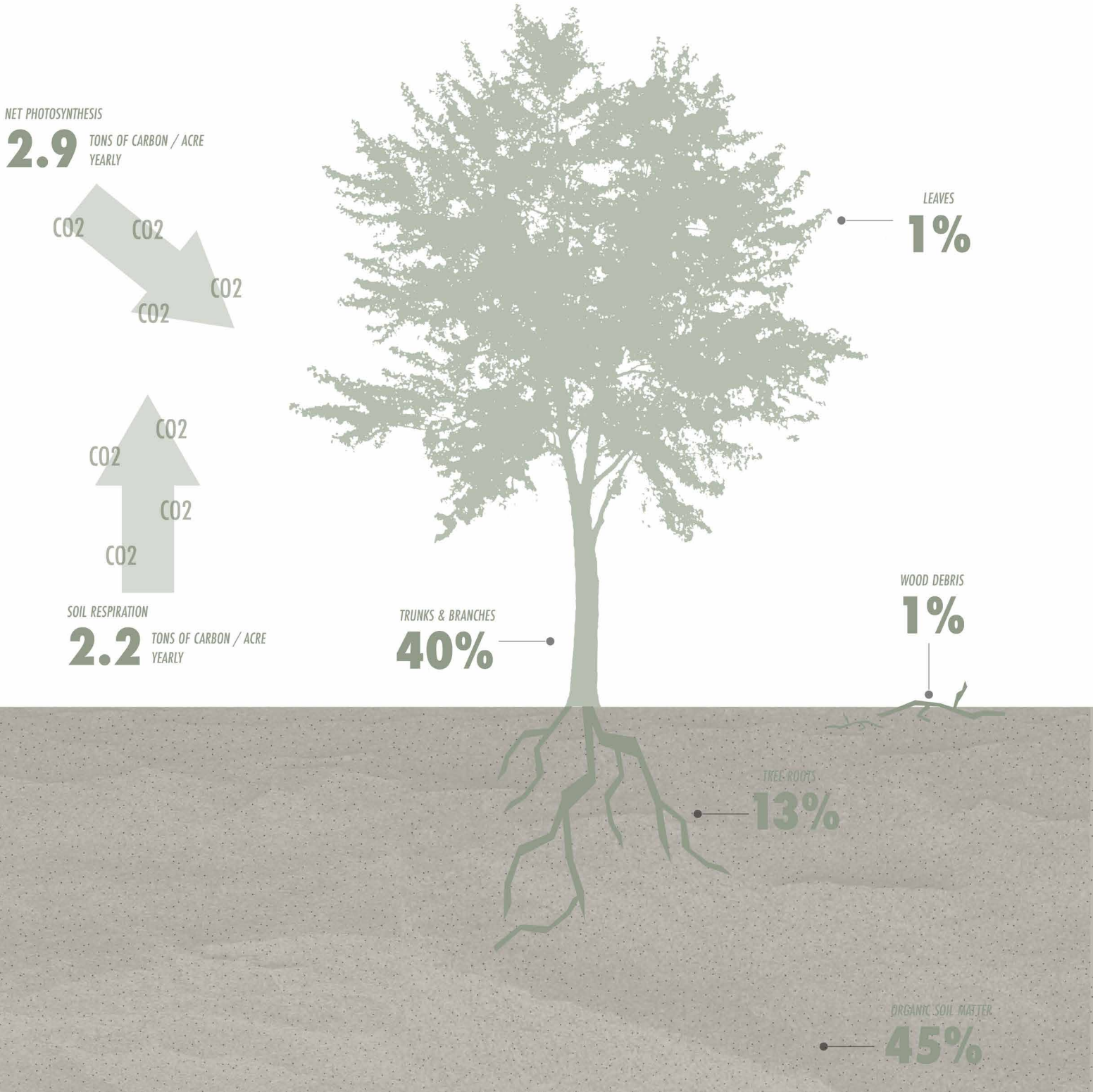
Medium growth trees absorb more carbon than fast growing, short lived trees.

Deciduous trees can screen 70 to 90 percent of summer sun. Communities with well-shaded streets can be 6 to 10 degrees cooler, which reduces the heat-island effect and local energy needs.

Trees that have wide crowns and large leaves engage in more photosynthesis than others.

Trees that grow quickly absorb more carbon and store it faster within their first few decades of life.

Turning trees into lumber instead of leaving them to the elements prevents them from decomposing, which adds some carbon to the atmosphere.

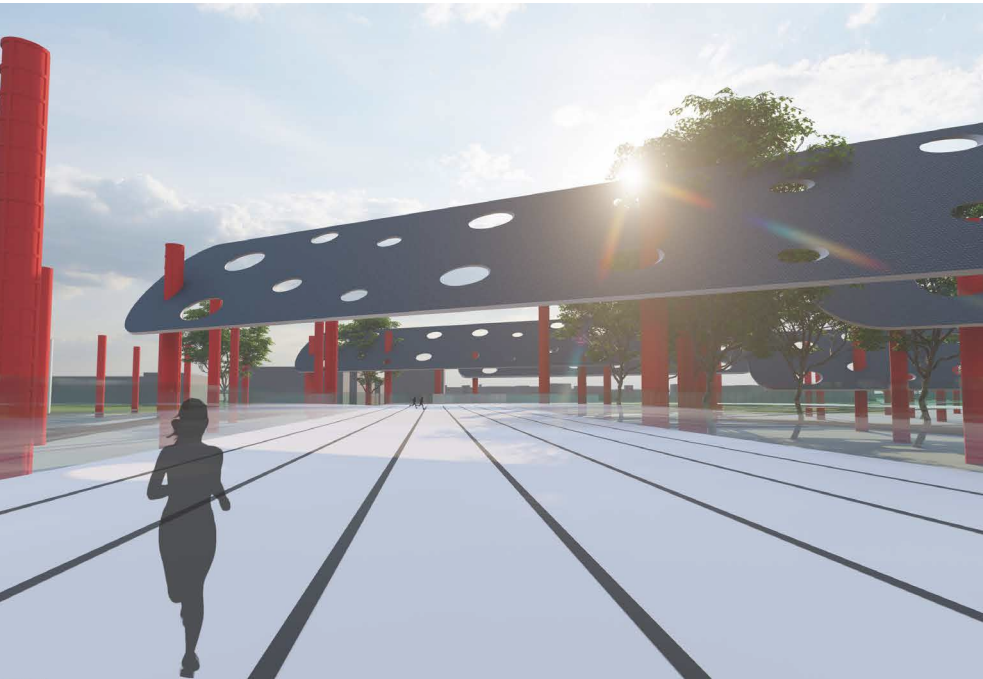
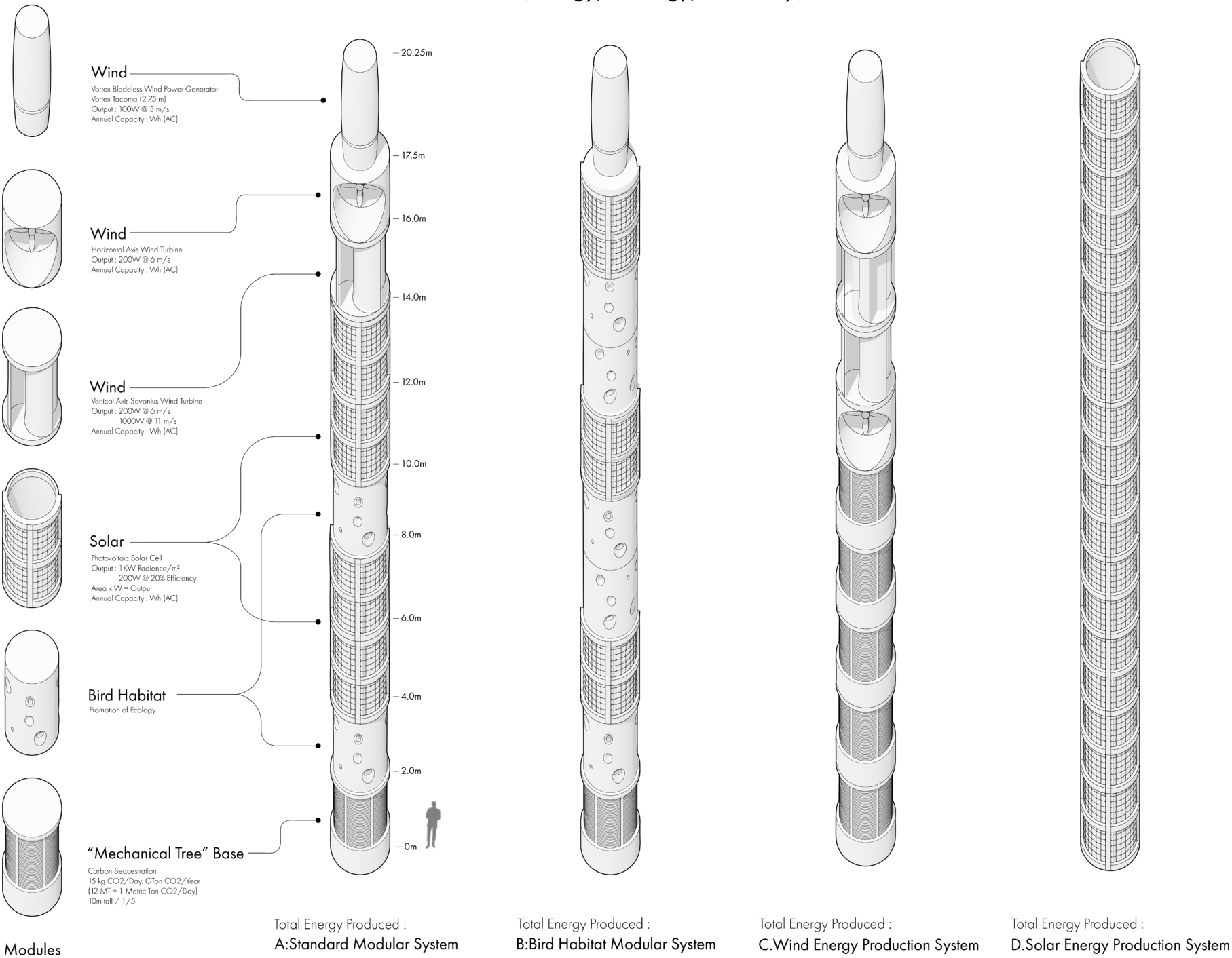


Carbon Sequestrian Trees + E³ Poles [B. Bird Habitat Module] (Live Oak, London Plane, & Chestnut for Zone 8b: -9.4°C to -6.7°C)

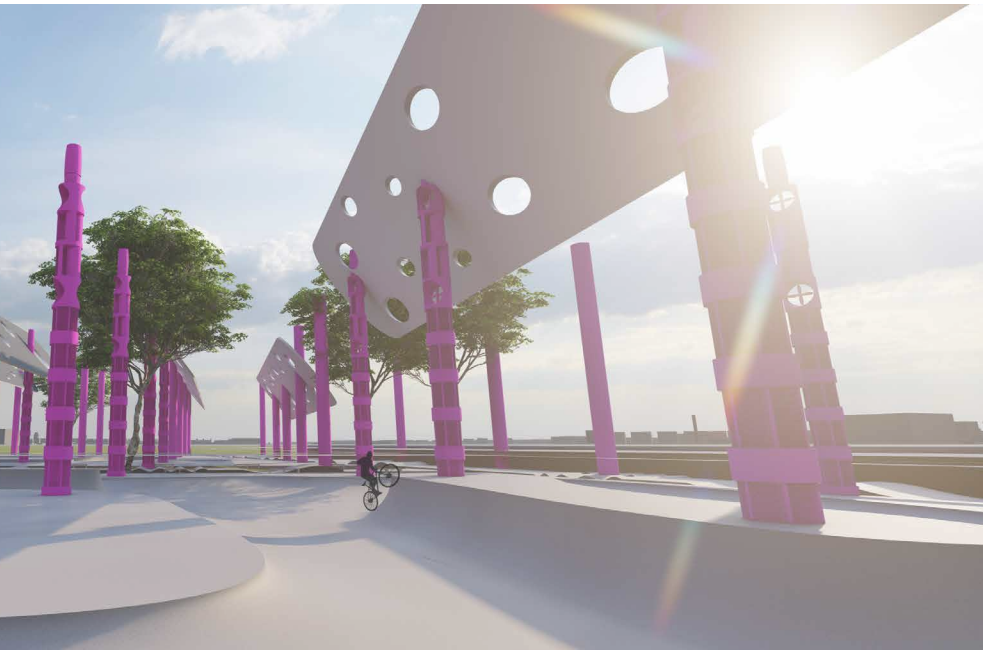


Animal Therapy Animal waste feeds two underground biodigesters (250 m³ each) + E³ Poles [B. Bird Habitat]

E3 Towers (Energy/Ecology/Economy)



Running Track + E³ Poles [D. Solar Module] + PV Panel Canopies



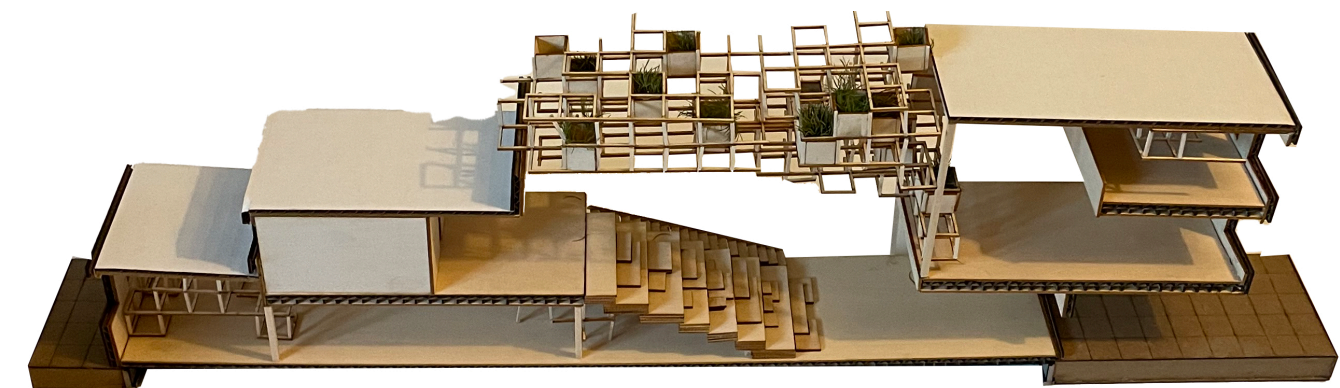
Skate Park & BMX Path + E³ Poles [C. Wind Energy Module] + PV Panel Canopies

How can physical fabrication be used to communicate ideas to a wider audience?

Physical Fabrication

Physical Fabrication is a powerful tool for addressing urban challenges while pushing the boundaries of creativity and problem-solving. Through modeling, designers can better understand how a space functions and how it interacts with its environment, providing a deeper, more detailed perspective on a design's impact. As urban planning continues to evolve, communicating complex spatial ideas to a broader audience becomes increasingly important. My experience as a fabrication lab assistant has allowed me to leverage tools like laser cutters, 3D printers, CNC machines, and hand modeling to turn abstract concepts into tangible, interactive models. These physical representations are not only essential for refining designs but also act as clear, accessible ways to communicate complex ideas to the public, stakeholders, and community members. By making abstract urban planning concepts more relatable and understandable, physical fabrication helps bridge the gap between technical design and community engagement. The following series of models, created throughout my undergraduate career, demonstrates how physical fabrication can be a powerful method to communicate architectural and urban planning solutions, making them more comprehensible and impactful for a wider audience.

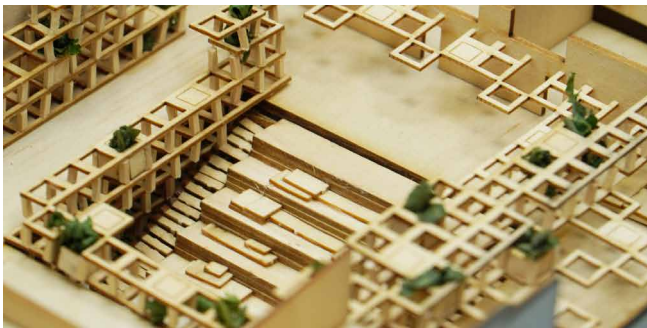




Basswood | Chipboard | Lasercut | Scale 1/8" = 1' | 2023



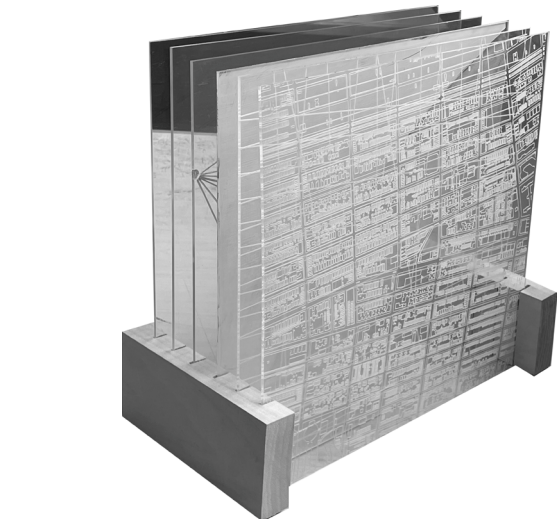
Basswood | Lasercut | Scale 1/8" = 1' | 2023



Basswood | Lasercut | Scale 1/16" = 1' | 2023



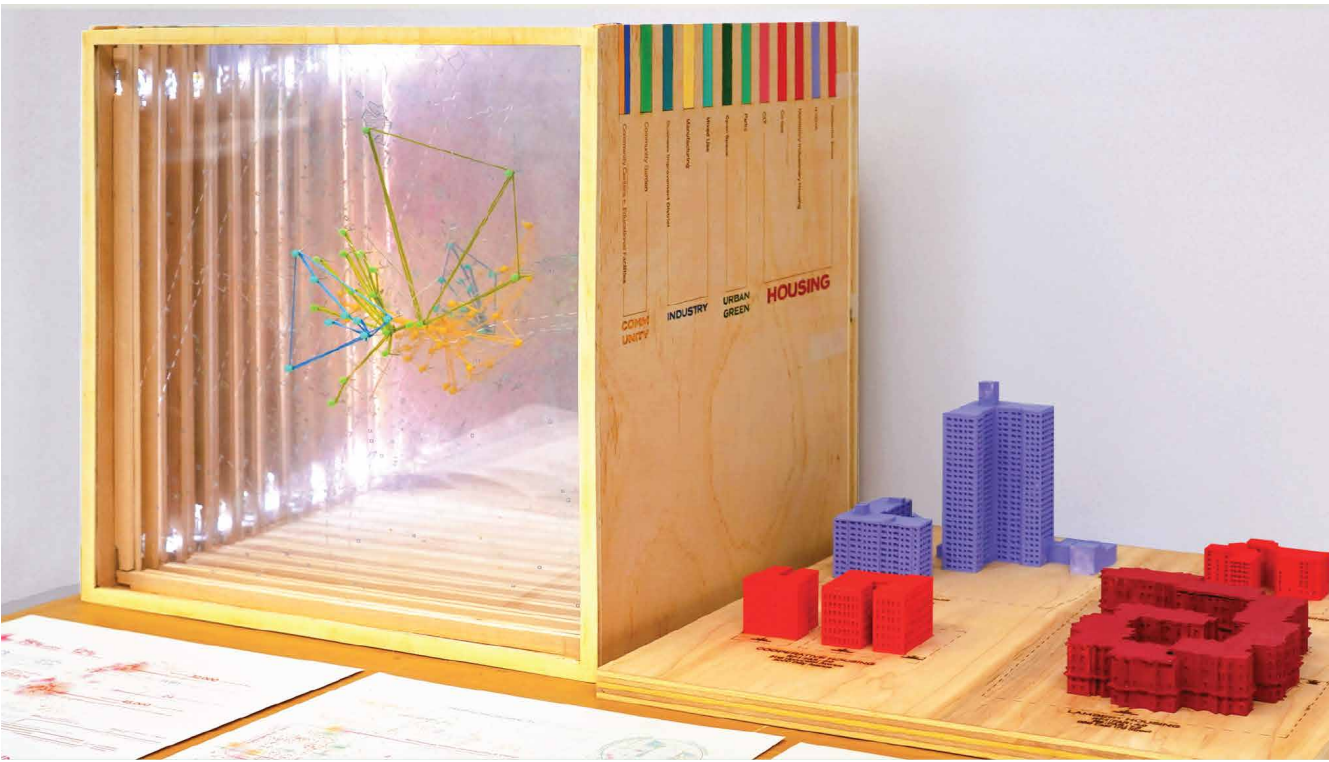
Typological Model | PLA | 3D Print | 2024



Geospatial Model | Plexiglass | 2023



Typological Model | PLA | 3D Print | 2024



Cartographic Model Exhibition Layers | Plywood | PLA | CNC | 3D Print | 2024



Block Scale Model | Basswood | Plexiglass | Lasercut | 2024



Plywood | Plexiglass | String | CNC | 2024



Plexiglass | PLA | 3D Print | Lasercut | 2024

thank you!



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